

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.

UTU-0359

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA Agreement, Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 922-18K2DS

9. API Well No.

43047-39822

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Blk, and Survey or Area

SEC. 18, T9S, R22E

12. County or Parish

UINTAH

13. State

UTAH

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface NE/SW 2508'FSL, 1282'FWL

At proposed prod. Zone NE/SW 2099'FSL, 1548'FWL

14. Distance in miles and direction from nearest town or post office*

27.95 +/- MILES FROM OURAY, UTAH

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

1282'

16. No. of Acres in lease

162.39

17. Spacing Unit dedicated to this well

40.00

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

REFER TO
TOPO C

19. Proposed Depth

9863'

20. BLM/BIA Bond No. on file

RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

4899'GL

22. Approximate date work will start*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized office.

25. Signature

Title

SENIOR LAND ADMIN SPECIALIST

Name (Printed/Typed)

SHEILA UPCHEGO

Date

11/16/2007

Approved by (Signature)

Title

Name (Printed/Typed)

BRADLEY G. HILL

Date

12-03-07

Off ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

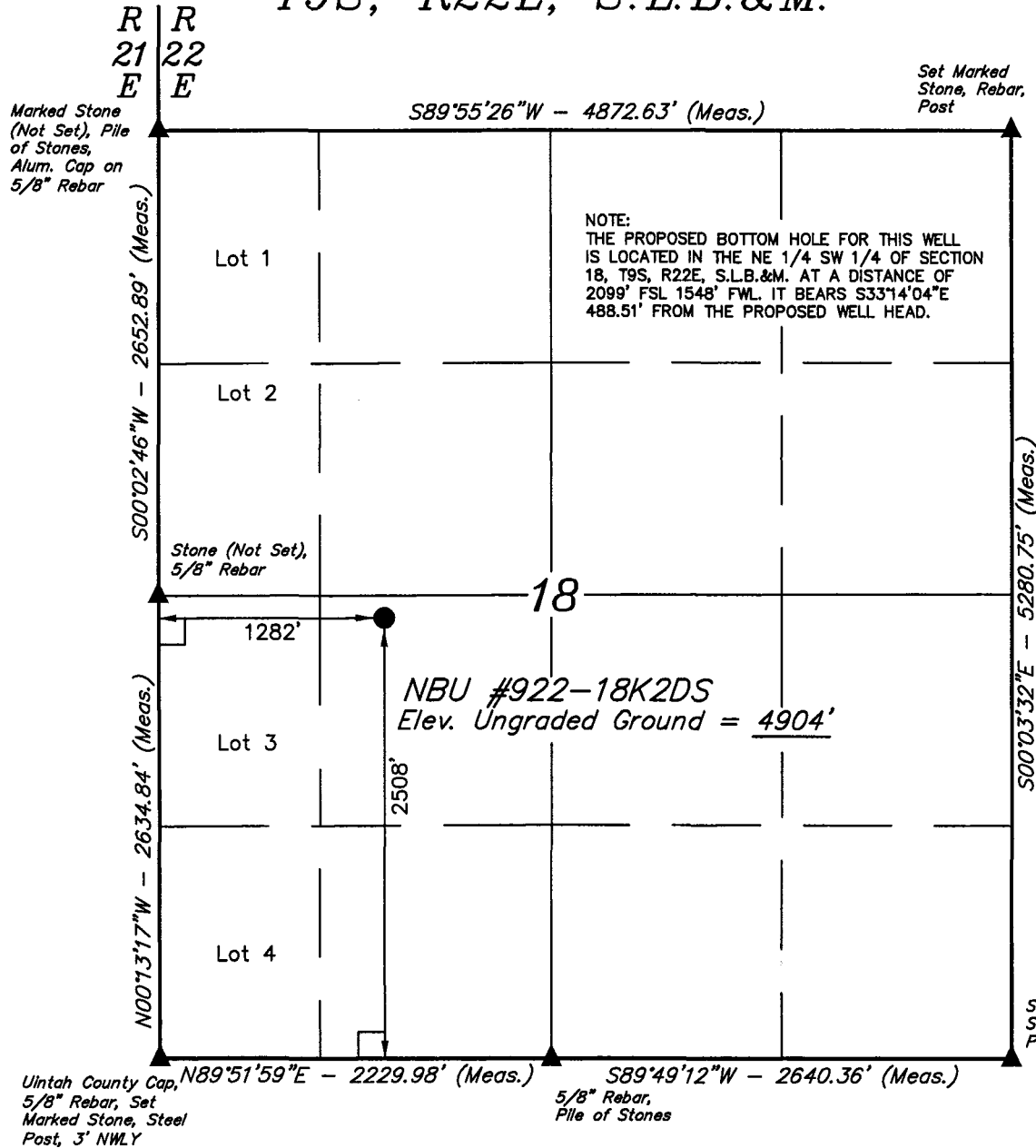
NOV 20 2007

DIV. OF OIL, GAS & MINING

Surf
629232X
4432600Y
40635624
-109.485311

Bill
629316X
4432477Y
40.034501
109.484355

T9S, R22E, S.L.B.&M.



Kerr-McGee Oil & Gas Onshore LP

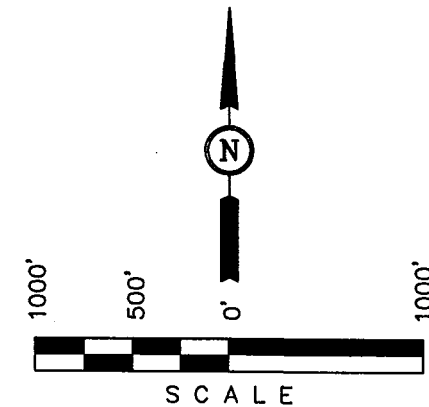
Well location, NBU #922-18K2DS, located as shown in the NE 1/4 SW 1/4 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

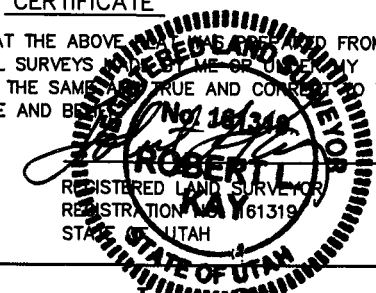
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE DESCRIBED AND FROM FIELD NOTES OF ACTUAL SURVEYS AND MEASUREMENTS UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-21-07
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°02'08.25" (40.035625)
LONGITUDE = 109°29'10.15" (109.486153)
(NAD 27)
LATITUDE = 40°02'08.38" (40.035661)
LONGITUDE = 109°29'07.65" (109.485458)

NBU 922-18K2DS
NE/SW SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0359

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1765'
Top of Birds Nest Water	2066'
Mahogany	2433'
Wasatch	5042'
Mesaverde	7809'
MVU2	8704'
MVL1	9240'
TVD	9810'
TD (MD)	9863'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1765'
	Top of Birds Nest Water	2066'
	Mahogany	2433'
Gas	Wasatch	5042'
Gas	Mesaverde	7809'
Gas	MVU2	8704'
Gas	MVL1	9240'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9863' TD, approximately equals 6115 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3945 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

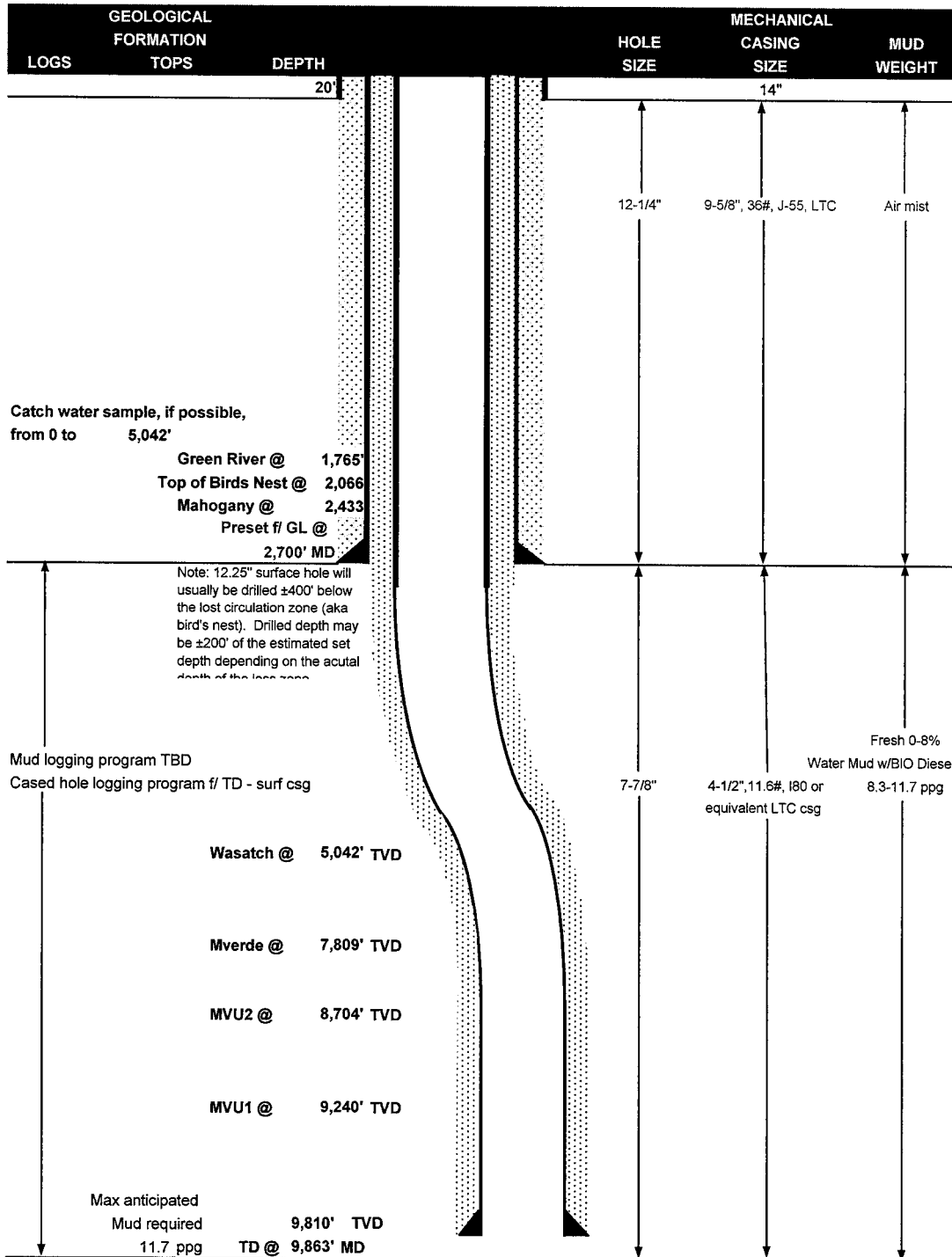
10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 16, 2007
WELL NAME NBU 922-18K2DS TD 9,863' MD MD 9,810' TVD
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,899' GL KB 4,914'
SURFACE LOCATION NE/SW SEC. 18, T9S, R22E 2508'FSL, 1282'FWL
Latitude: 40.035625 Longitude: 109.486153
BTM HOLE LOCATION NE/SW SEC. 18, T9S, R22E 2099'FSL, 1548'FWL
OBJECTIVE ZONE(S) Wasatch/Mesaverde
ADDITIONAL INFO Regulatory Agencies: TRIBAL SURFACE, BLM MINERALS, UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2700	36.00	J-55	LTC	0.92	1.60	5.93
PRODUCTION	4-1/2"	0 to 9863	11.60	I-80	LTC	7780	6350	201000
						2.03	1.06	2.01

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac gradient x TVD of next csg point))
2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 0.0 ppg) .22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3831 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1							
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized 65/35 Poz + 6% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
Option 2							
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	7,303'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	790	60%	11.00	3.38
	TAIL	2,560'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	720	60%	14.30	1.31

*Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

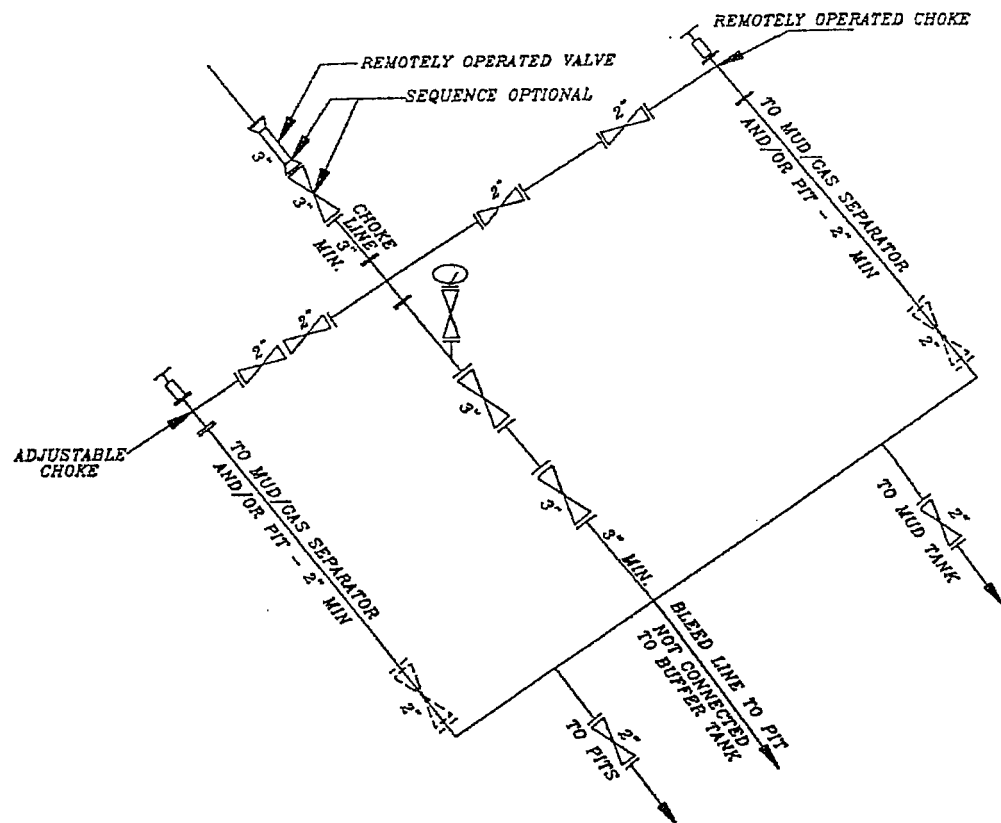
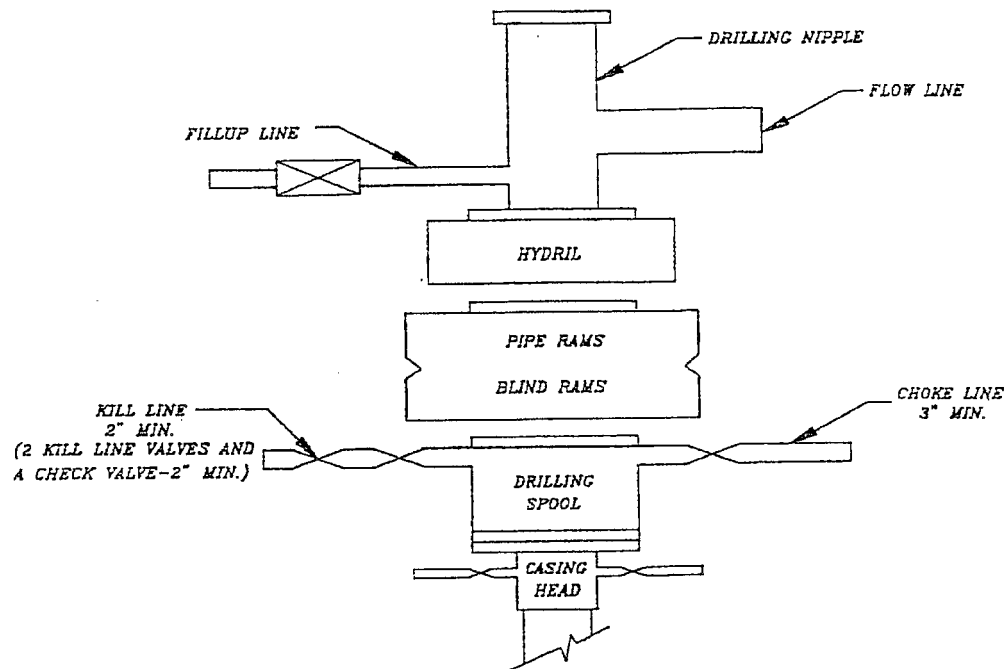
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

5M BOP STACK and CHOKE MANIFOLD SYSTEM





Weatherford[®]

Drilling Services

Proposal

Anadarko[®]


KerrMcGee

ANADARKO - KERR McGEE

NBU 922-18K2DS

UINTAH COUNTY, UTAH

WELL FILE: PLAN 1

DATE: SEPTEMBER 26, 2007

Weatherford International, Ltd.

15710 John F. Kennedy Blvd

Houston, Texas 77032 USA

+1.281.260.1300 Main

+1.281.260.4730 Fax

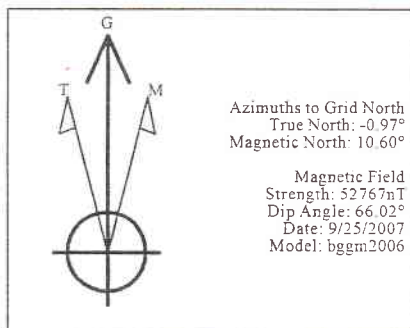
www.weatherford.com



ANADARKO KERR MCGEE OIL & GAS
NBU 922-18K2DS
UINTAH COUNTY, UTAH



Weatherford



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	145.79	0.00	0.00	0.00	0.00	0.00	0.00	
2	2800.00	0.00	145.79	2800.00	0.00	0.00	0.00	0.00	0.00	
3	3365.60	14.14	145.79	3359.87	-57.43	39.04	2.50	145.79	69.44	
4	4609.28	14.14	145.79	4565.88	-308.69	209.84	0.00	0.00	373.26	
5	5551.94	0.00	145.79	5499.00	-404.40	274.90	1.50	180.00	488.99	
6	9862.94	0.00	145.79	9810.00	-404.40	274.90	0.00	145.79	488.99	PBHL

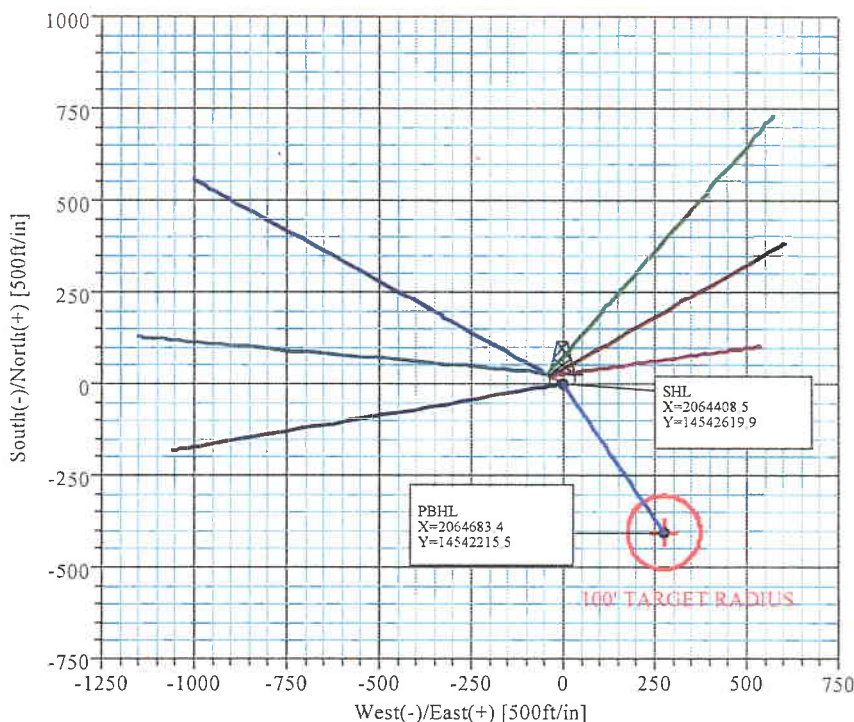
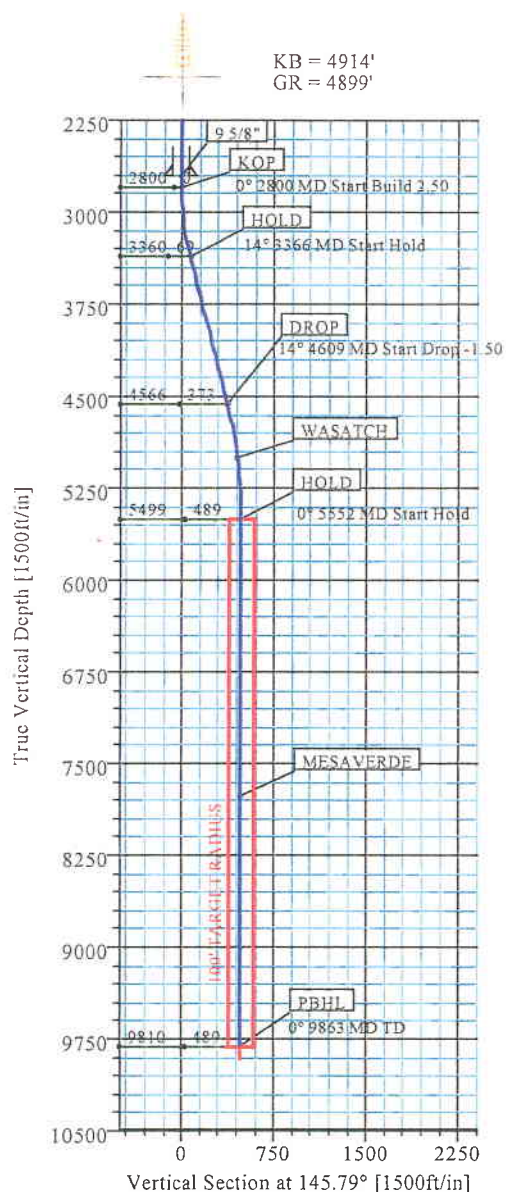
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
18K2DS	0.00	0.00	14542619.90	2064408.50	40°02'08.227N	109°29'07.088W	N/A

CASING DETAILS				
No.	TVD	MD	Name	Size
1	2700.00	2700.00	9 5/8"	9.62

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	4999.00	5050.51	WASATCH
2	7764.00	7816.94	MESAVERDE

FIELD DETAILS	
UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	
Geodetic System: Universal Transverse Mercator (USfeet)	
Ellipsoid: NAD27 (Clarke 1866)	
Zone: UTM Zone 12, North 114W to 108W	
Magnetic Model: bggm2006	
System Datum: Mean Sea Level	
Local North: Grid North	

LEGEND	
18E3BS (1)	
18E3CS (1)	
18F4BS (1)	
18F4CS (1)	
18K1BS (1)	
18K2 (1)	
18L2BS (1)	
Plan #1 18K2DS	



Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Ken-McGee		Date: 9/28/2007		Time: 08:39:58		Page: 1	
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)		Co-ordinate(NE) Reference:		Site: NBU 922-18K2DS PAD EFKL, Grid North			
Site: NBU 922-18K2DS PAD EFKL		Vertical (TVD) Reference:		SITE: 4914.0			
Well: 18K2DS		Section (VS) Reference:		Well: (0.00N, 0.00E, 145.79Azi)			
Wellpath: 1		Survey Calculation Method:		Minimum Curvature		Db: Sybase	

Plan: Plan #1 18K2DS	Date Composed: 9/25/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	
Map System: Universal Transverse Mercator (USfeet)	Map Zone: UTM Zone 12, North 114W to 108W
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2006

Site: NBU 922-18K2DS PAD EFKL	
2508 FSL, 1282 FWL - SEC18 T9S R22E	
Site Position:	Northings: 14542619.90 ft
From: Map	Easting: 2064408.50 ft
Position Uncertainty: 0.00 ft	Latitude: 40 2 8.227 N
Ground Level: 4899.00 ft	Longitude: 109 29 7.088 W
	North Reference: Grid
	Grid Convergence: 0.97 deg

Well: 18K2DS	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 40 2 8.227 N
+E/-W 0.00 ft	Longitude: 109 29 7.088 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 9/25/2007	Above System Datum: Mean Sea Level
Field Strength: 52767 nT	Declination: 11.57 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 66.02 deg
ft	+N/-S
ft	+E/-W
ft	Direction
ft	deg
0.00	0.00
0.00	0.00
0.00	145.79

Plan Section Information										
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	145.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	145.79	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3365.60	14.14	145.79	3359.87	-57.43	39.04	2.50	2.50	0.00	145.79	
4609.28	14.14	145.79	4565.88	-308.69	209.84	0.00	0.00	0.00	0.00	
5551.94	0.00	145.79	5499.00	-404.40	274.90	1.50	-1.50	0.00	180.00	
9862.94	0.00	145.79	9810.00	-404.40	274.90	0.00	0.00	0.00	145.79	PBHL

Survey										
MD	Incl	Azim	TVD	NS	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
2700.00	0.00	145.79	2700.00	0.00	0.00	0.00	0.00	14542619.90	2064408.50	9 5/8"
2800.00	0.00	145.79	2800.00	0.00	0.00	0.00	0.00	14542619.90	2064408.50	KOP
2900.00	2.50	145.79	2899.97	-1.80	1.23	2.18	2.50	14542618.10	2064409.73	
3000.00	5.00	145.79	2999.75	-7.21	4.90	8.72	2.50	14542612.69	2064413.40	
3100.00	7.50	145.79	3099.14	-16.22	11.02	19.61	2.50	14542603.68	2064419.52	
3200.00	10.00	145.79	3197.97	-28.80	19.57	34.82	2.50	14542591.10	2064428.07	
3300.00	12.50	145.79	3296.04	-44.93	30.54	54.33	2.50	14542574.97	2064439.04	
3365.60	14.14	145.79	3359.87	-57.43	39.04	69.44	2.50	14542562.47	2064447.54	HOLD
3400.00	14.14	145.79	3393.23	-64.38	43.76	77.84	0.00	14542555.52	2064452.26	
3500.00	14.14	145.79	3490.20	-84.58	57.49	102.27	0.00	14542535.32	2064465.99	
3600.00	14.14	145.79	3587.17	-104.78	71.23	126.70	0.00	14542515.12	2064479.73	
3700.00	14.14	145.79	3684.14	-124.99	84.96	151.13	0.00	14542494.91	2064493.46	
3800.00	14.14	145.79	3781.11	-145.19	98.70	175.56	0.00	14542474.71	2064507.20	
3900.00	14.14	145.79	3878.08	-165.39	112.43	199.99	0.00	14542454.51	2064520.93	
4000.00	14.14	145.79	3975.06	-185.60	126.16	224.42	0.00	14542434.30	2064534.66	

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT

Weatherford

Company: Anadarko-Kerr-McGee Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU 922-18K2DS PAD EFKL Well: 18K2DS Wellpath: 1	Date: 9/28/2007 Co-ordinate(NE) Reference: Site: NBU 922-18K2DS PAD EFKL, Grid North Vertical (TVD) Reference: SITE 4914.0 Section (VS) Reference: Well (0.00N,0.00E,145.79Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
4100.00	14.14	145.79	4072.03	-205.80	139.90	248.85	0.00	14542414.10	2064548.40	
4200.00	14.14	145.79	4169.00	-226.00	153.63	273.27	0.00	14542393.90	2064562.13	
4300.00	14.14	145.79	4265.97	-246.20	167.36	297.70	0.00	14542373.70	2064575.86	
4400.00	14.14	145.79	4362.94	-266.41	181.10	322.13	0.00	14542353.49	2064589.60	
4500.00	14.14	145.79	4459.91	-286.61	194.83	346.56	0.00	14542333.29	2064603.33	
4600.00	14.14	145.79	4556.88	-306.81	208.56	370.99	0.00	14542313.09	2064617.06	
4609.28	14.14	145.79	4565.88	-308.69	209.84	373.26	0.00	14542311.21	2064618.34	DROP
4700.00	12.78	145.79	4654.10	-326.15	221.71	394.37	1.50	14542293.75	2064630.21	
4800.00	11.28	145.79	4751.90	-343.39	233.43	415.21	1.50	14542276.51	2064641.93	
4900.00	9.78	145.79	4850.22	-358.50	243.70	433.49	1.50	14542261.40	2064652.20	
5000.00	8.28	145.79	4948.97	-371.48	252.52	449.18	1.50	14542248.42	2064661.02	
5050.51	7.52	145.79	4999.00	-377.22	256.42	456.12	1.50	14542242.68	2064664.92	WASATCH
5100.00	6.78	145.79	5048.11	-382.31	259.89	462.28	1.50	14542237.59	2064668.39	
5200.00	5.28	145.79	5147.55	-391.00	265.79	472.79	1.50	14542228.90	2064674.29	
5300.00	3.78	145.79	5247.24	-397.53	270.23	480.68	1.50	14542222.37	2064678.73	
5400.00	2.28	145.79	5347.10	-401.90	273.20	485.97	1.50	14542218.00	2064681.70	
5500.00	0.78	145.79	5447.06	-404.11	274.70	488.63	1.50	14542215.79	2064683.20	
5551.94	0.00	145.79	5499.00	-404.40	274.90	488.99	1.50	14542215.50	2064683.40	HOLD
5600.00	0.00	145.79	5547.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
5700.00	0.00	145.79	5647.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
5800.00	0.00	145.79	5747.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
5900.00	0.00	145.79	5847.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6000.00	0.00	145.79	5947.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6100.00	0.00	145.79	6047.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6200.00	0.00	145.79	6147.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6300.00	0.00	145.79	6247.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6400.00	0.00	145.79	6347.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6500.00	0.00	145.79	6447.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6600.00	0.00	145.79	6547.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6700.00	0.00	145.79	6647.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6800.00	0.00	145.79	6747.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
6900.00	0.00	145.79	6847.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7000.00	0.00	145.79	6947.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7100.00	0.00	145.79	7047.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7200.00	0.00	145.79	7147.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7300.00	0.00	145.79	7247.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7400.00	0.00	145.79	7347.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7500.00	0.00	145.79	7447.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7600.00	0.00	145.79	7547.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7700.00	0.00	145.79	7647.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7800.00	0.00	145.79	7747.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
7816.94	0.00	145.79	7764.00	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	MESAVERDE
7900.00	0.00	145.79	7847.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8000.00	0.00	145.79	7947.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8100.00	0.00	145.79	8047.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8200.00	0.00	145.79	8147.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8300.00	0.00	145.79	8247.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8400.00	0.00	145.79	8347.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8500.00	0.00	145.79	8447.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8600.00	0.00	145.79	8547.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8700.00	0.00	145.79	8647.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8800.00	0.00	145.79	8747.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
8900.00	0.00	145.79	8847.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee Field: UTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU 922-18K2DS PAD EFKL Well: 18K2DS Wellpath: 1	Date: 9/28/2007 Co-ordinate(NE) Reference: Site: NBU 922-18K2DS PAD EFKL, Grid North Vertical (TVD) Reference: SITE 4914.0 Section (YS) Reference: Well (0.00N,0.00E,145.79Azi). Survey Calculation Method: Minimum Curvature Db: Sybase
---	--

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9000.00	0.00	145.79	8947.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9100.00	0.00	145.79	9047.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9200.00	0.00	145.79	9147.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9300.00	0.00	145.79	9247.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9400.00	0.00	145.79	9347.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9500.00	0.00	145.79	9447.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9600.00	0.00	145.79	9547.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9700.00	0.00	145.79	9647.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9800.00	0.00	145.79	9747.06	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	
9862.94	0.00	145.79	9810.00	-404.40	274.90	488.99	0.00	14542215.50	2064683.40	PBHL

Targets

Name	Description Dip	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL			9810.00	-404.40	274.90	14542215.50	2064683.40	40 2 4.184 N	109 29 3.642 W
-Circle (Radius: 100)									
-Plan hit target									

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2700.00	2700.00	9.62	12.25	9 5/8"

Annotation

MD ft	TVD ft	
2800.00	2800.00	KOP
3365.60	3359.88	HOLD
4609.28	4565.88	DROP
5551.94	5499.00	HOLD
9862.94	9810.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5050.51	4999.00	WASATCH		0.00	0.00
7816.94	7764.00	MESAVERDE		0.00	0.00

**Weatherford****Weatherford Drilling Services**

GeoDec v4.1.130

Report Date: September 26, 2007
Job Number: _____
Customer: ANADARKO-KERR MCGEE
Well Name: NBU 922-18K2DS
API Number: _____
Rig Name: _____
Location: UNITAH COUNTY, UTAH
Block: _____
Engineer: R JOYNER

Universal Transverse Mercator	Geodetic Latitude / Longitude
System: Zone 12N (114 W to 108 W)	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
North/South 14542619.900 USFT	Latitude 40 2 8.2265928 DMS
East/West 2064408.500 USFT	Longitude -109 29 7.0880437 DMS
Grid Convergence: .97454248°	
Total Correction: +10.5944°	

Geodetic Location WGS84	Elevation = 1493.0 Meters
Latitude = 40.03562° N	40° 2 min 8.227 sec
Longitude = 109.48530° W	109° 29 min 7.088 sec

Magnetic Declination =	+11.5690°	[True North Offset]
Local Gravity =	.9995 g	
Local Field Strength=	52728 nT	Mag Vector X = 20993 nT
Dip =	66.0210°	Mag Vector Y = 4297 nT
Model File:	bggm2006	Mag Vector Z = 48177 nT
Spud Date:	Sep 26, 2007	Mag Vector H = 21428 nT

Signed: _____

Date: _____

NBU 922-18K2DS
NE/SW SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0359

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 0.15 +/- miles of access road is proposed. Please refer to the attached Topo Map B.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see the Natural Buttes Unit SOP.

Approximately 3394' +/- of 10" steel pipeline is proposed from the location to an existing pipeline. Refer to the attached Topo Map D.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Uphego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

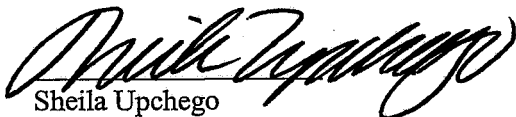
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Uphego

11/7/2007

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18K2,K2DS, K1BS, E3CS, E3S, K2BS,
F4CS, & F4BS
SECTION 18, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #922-18E2 TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 150' TO THE PROPOSED #922-18E2 AND THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 49.75 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18K2, K2DS, K1BS, E3CS, E3S, K2BS, F4CS, & F4BS

LOCATED IN UINTAH COUNTY, UTAH

SECTION 18, T9S, R22E, S.L.B.&M.

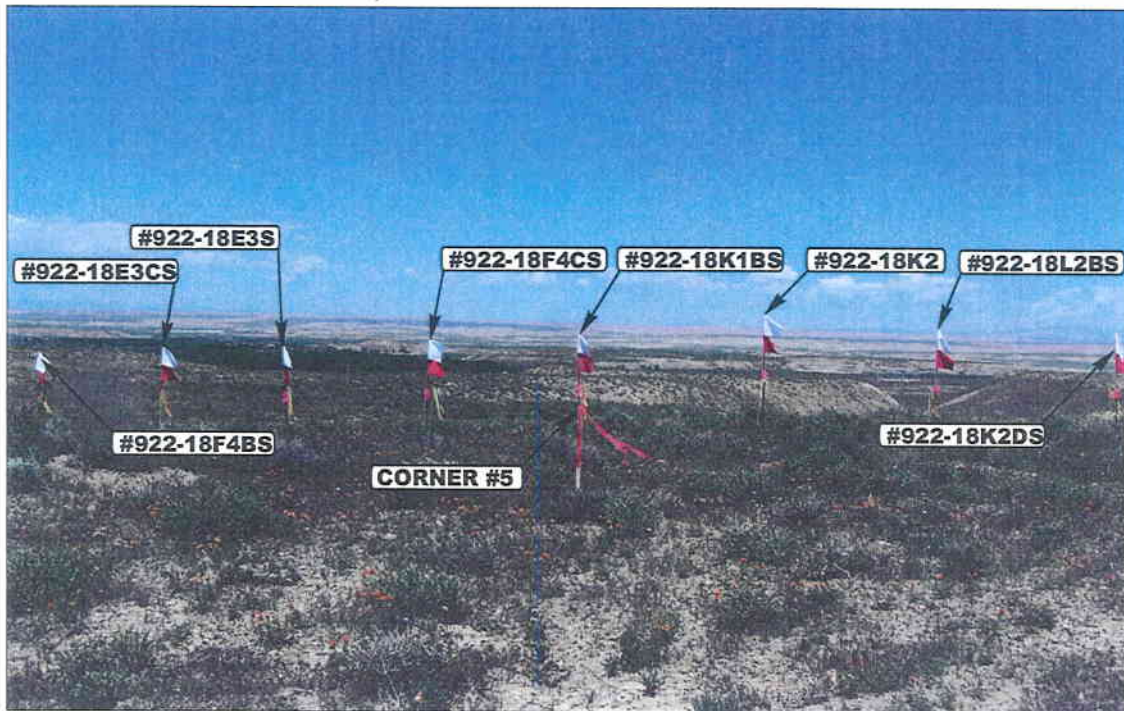


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

U
E
L
S

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

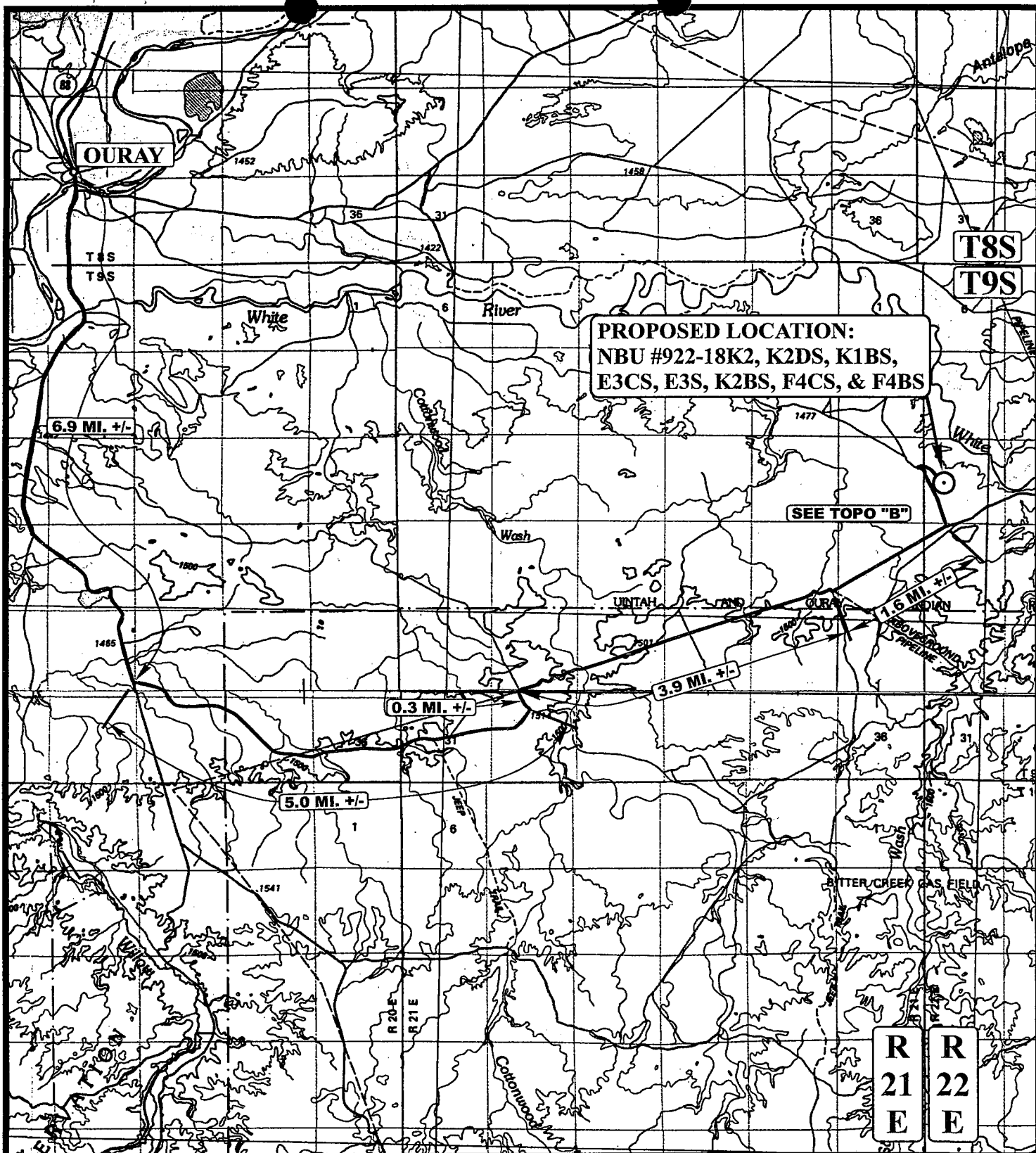
05 16 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: B.C.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



Kerr-McGee Oil & Gas Onshore LP

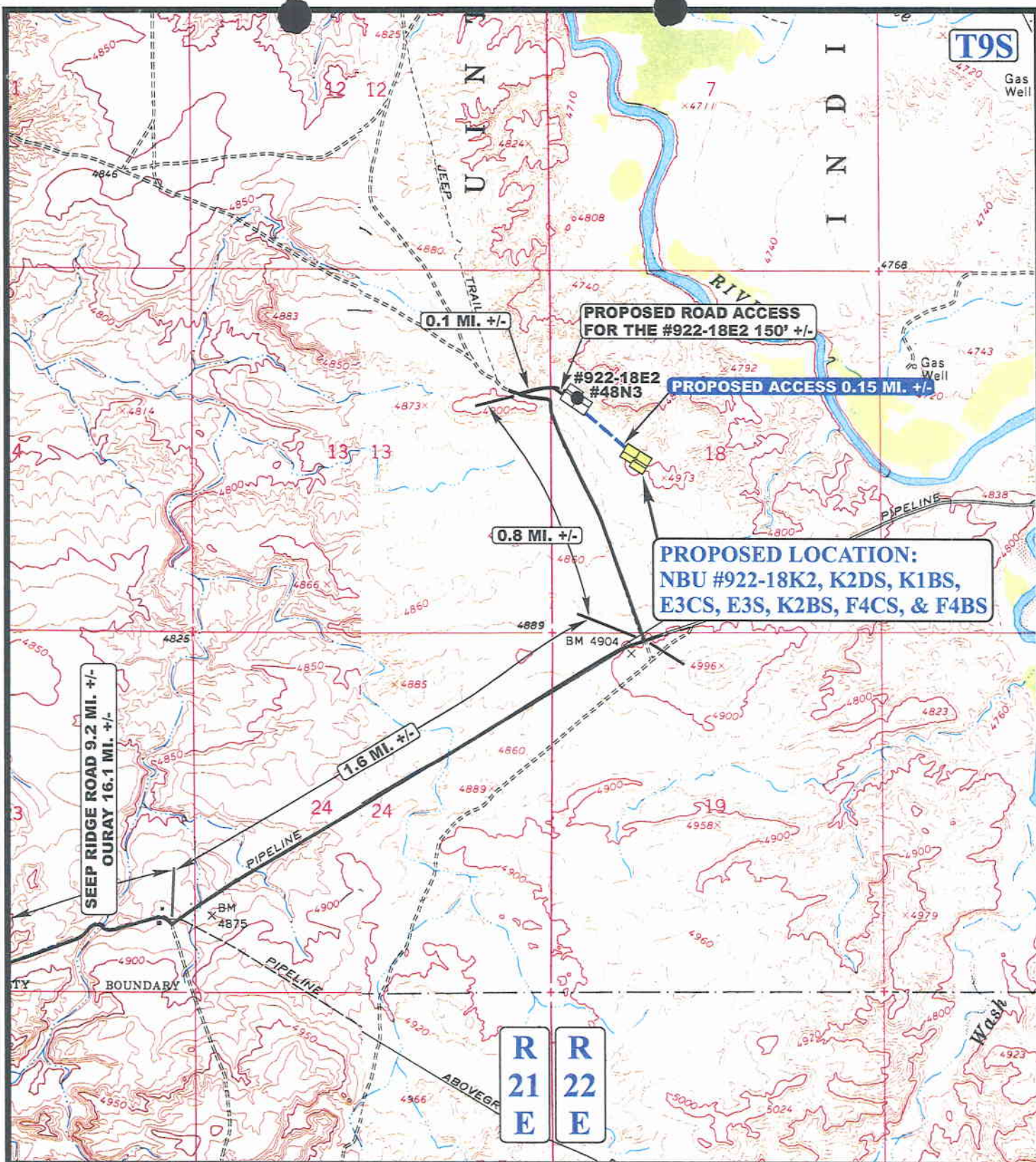
NBU #922-18K2, K2DS, K1BS, E3CS,
E3S, K2BS, F4CS, & F4BS
SECTION 18, T9S, R22E, S.L.B.&M.
NE 1/4 SW 1/4

**TOPOGRAPHIC
MAP**

05 16 07
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: B.C. REVISED: 00-00-00





LEGEND:

EXISTING ROAD
 PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18K2, K2DS, K1BS, E3CS,
 E3S, K2BS, F4CS, & F4BS
 SECTION 18, T9S, R22E, S.L.B.&M.
 NE 1/4 SW 1/4



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

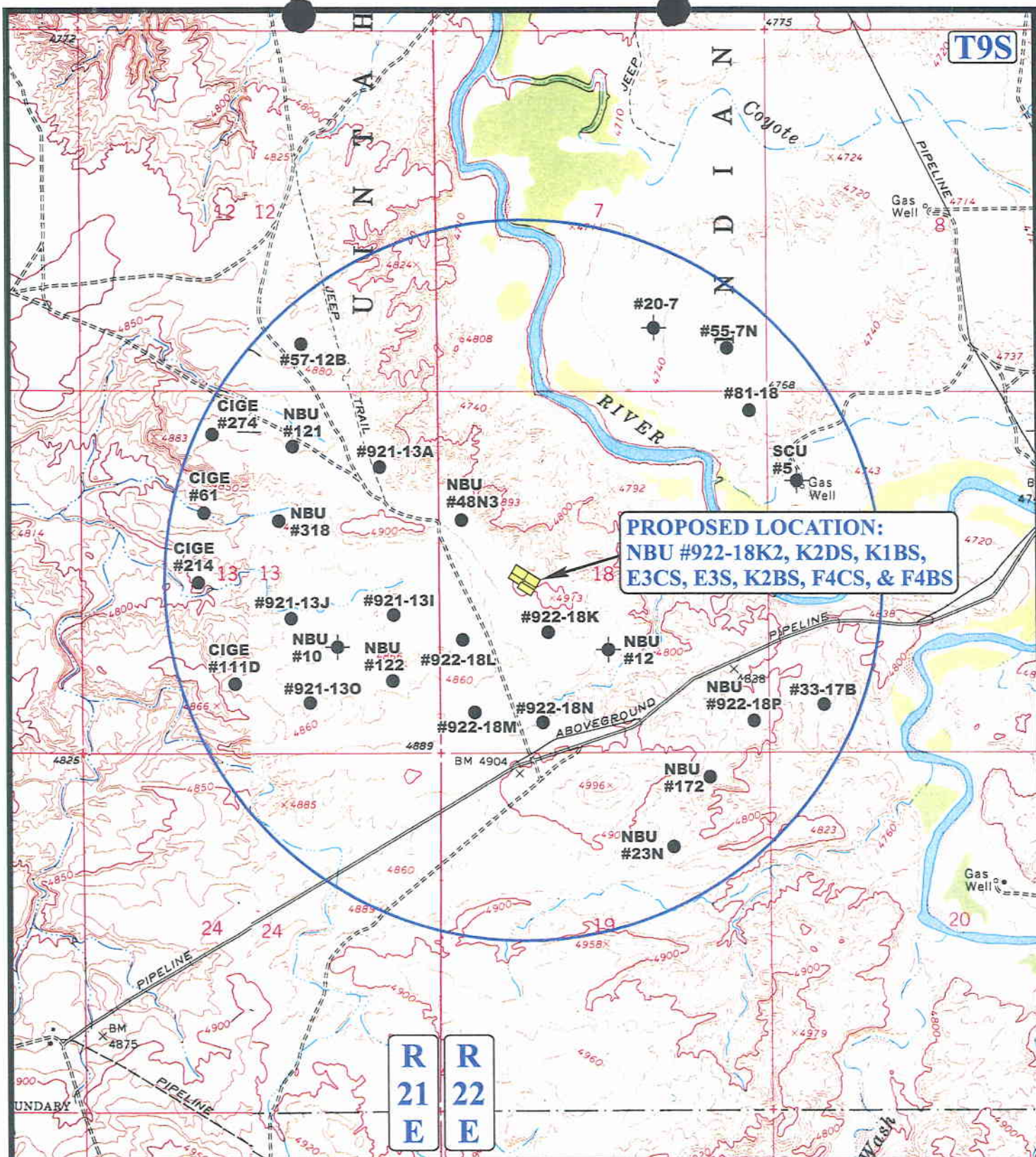


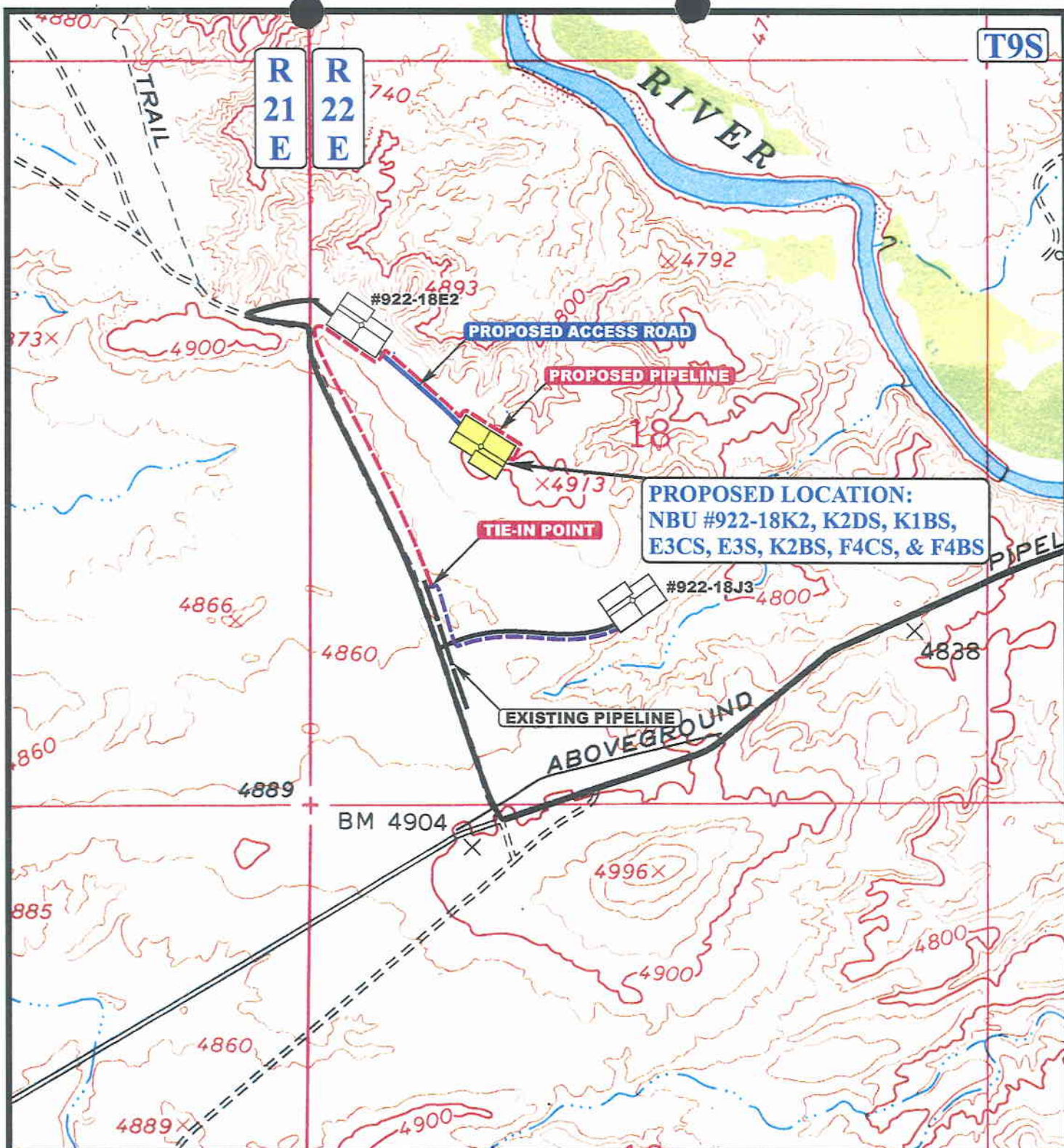
TOPOGRAPHIC
 MAP

05 16 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00

B
 TOPO





APPROXIMATE TOTAL 10" PIPELINE DISTANCE = 3,394' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18K2, K2DS, K1BS, E3CS, E3S, K2BS, F4CS, & F4BS
SECTION 18, T9S, R22E, S.L.B.&M.
NE 1/4 SW 1/4



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

05 16 07
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: B.C. REVISED: 10-23-07C.P.

D
TOPO

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18K2, K2DS, K1BS, E3CS, E3S, K2BS, F4CS, & F4BS
PIPELINE ALIGNMENT
LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.



PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

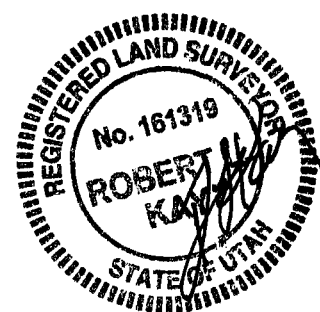
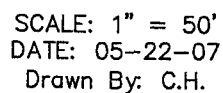
05 16 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K. DRAWN BY: B.C. REVISED: 00-00-00

SITE PLAN LAYOUT FOR

NE 1/4 SW 1/4



Elev. Ungraded Ground At #18K2 Loc. Stake = 4903.6'
FINISHED GRADE ELEV. AT #18K2 LOC. STAKE = 4898.9'

Kerr-McGee Oil & Gas Onshore LP

TYPICAL CROSS SECTIONS FOR

NBU #922-18K2, K2DS, K1BS, E3CS, E3S, K2BS, F4CS, & F4BS

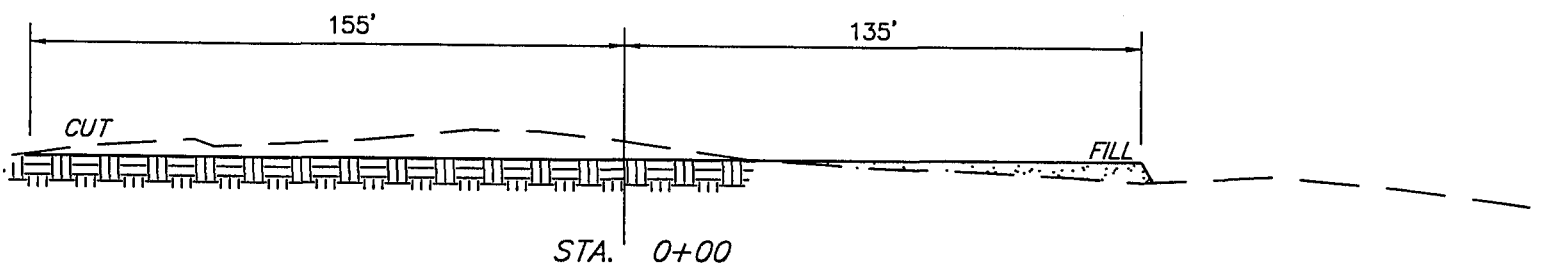
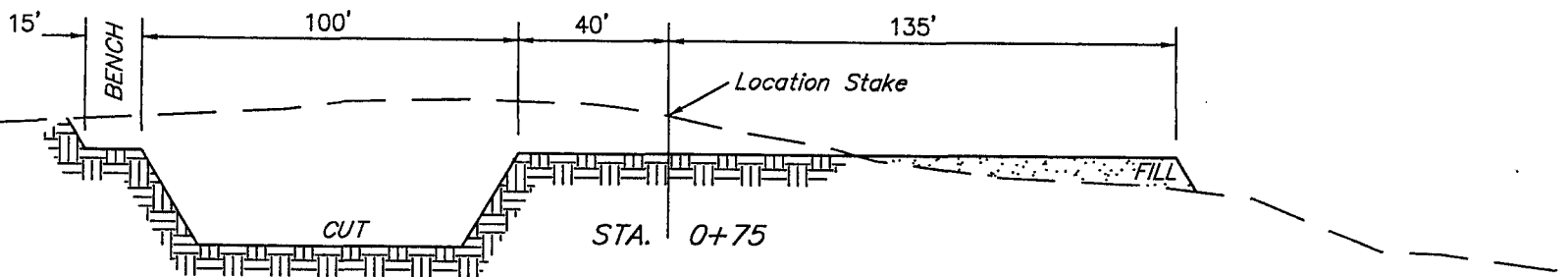
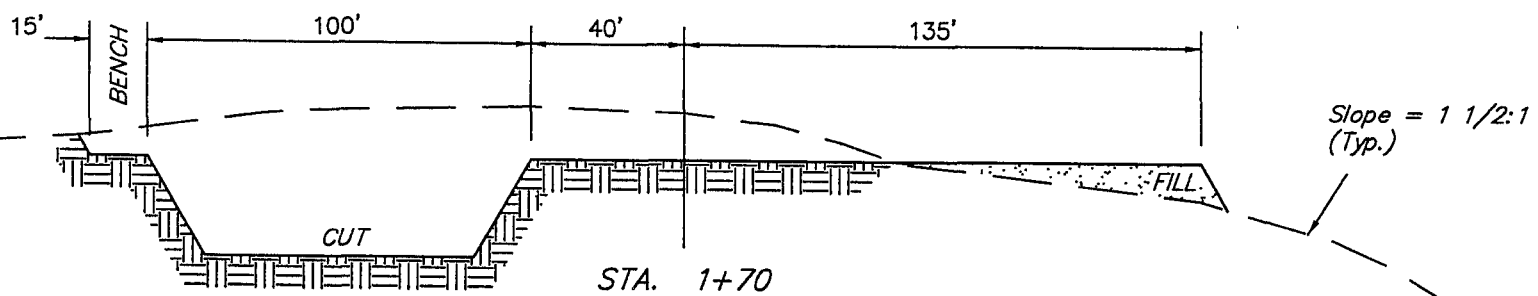
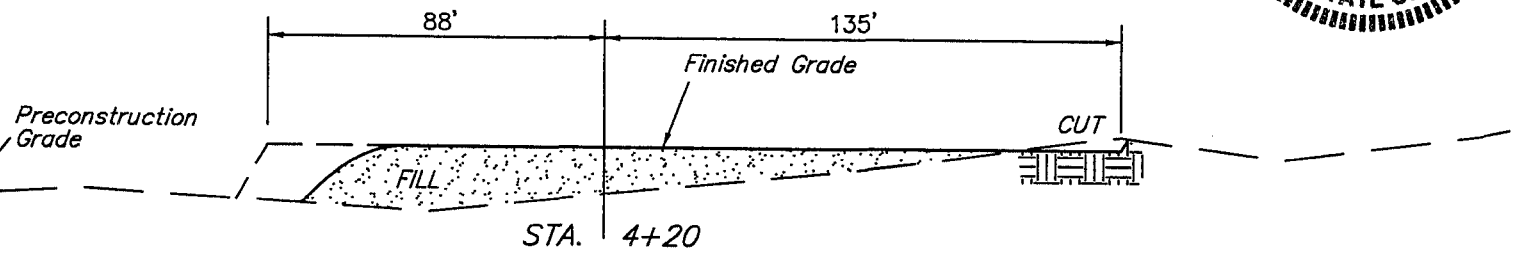
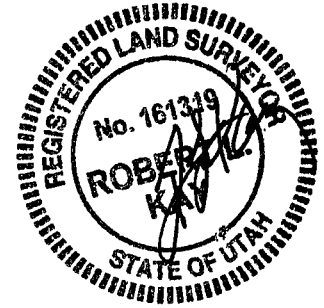
SECTION 18, T9S, R22E, S.L.B.&M.

NE 1/4 SW 1/4

FIGURE #2

1" = 20'
X-Section
Scale
1" = 50'

DATE: 05-22-07
Drawn By: C.H.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 4,490 Cu. Yds.
Remaining Location = 11,170 Cu. Yds.
TOTAL CUT = 15,660 CU.YDS.
FILL = 7,940 CU.YDS.

EXCESS MATERIAL = 7,720 Cu. Yds.
Topsoil & Pit Backfill = 7,720 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

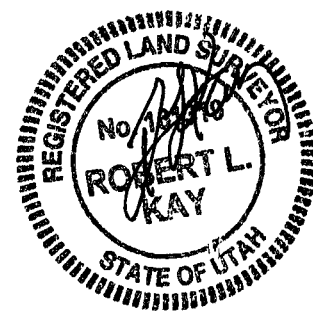
Kerr-McGee Oil & Gas Onshore LP

SITE PLAN LAYOUT FOR

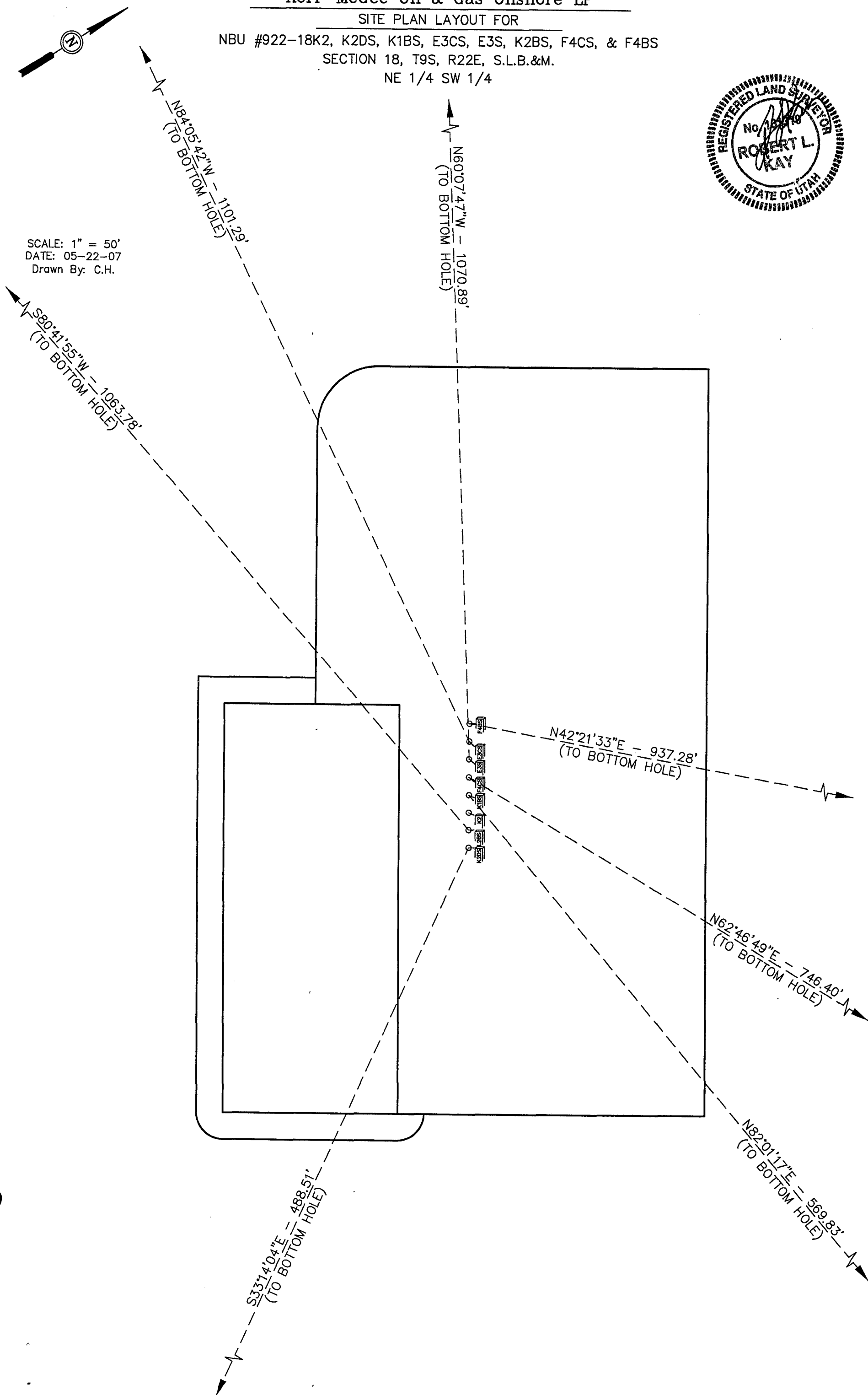
NBU #922-18K2, K2DS, K1BS, E3CS, E3S, K2BS, F4CS, & F4BS

SECTION 18, T9S, R22E, S.L.B.&M.

NE 1/4 SW 1/4



SCALE: 1" = 50'
DATE: 05-22-07
Drawn By: C.H.



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/20/2007

API NO. ASSIGNED: 43-047-39822

WELL NAME: NBU 922-18K2DS

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NESW 18 090S 220E

SURFACE: 2508 FSL 1282 FWL

BOTTOM: 2099 FSL 1548 FWL

COUNTY: Uintah

LATITUDE: 40.03562 LONGITUDE: -109.4853

UTM SURF EASTINGS: 629232 NORTHINGS: 4432600

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0359

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1999

Siting: 460' fr 11 bdr & 920' from Tracts

☒ R649-3-11. Directional Drill

COMMENTS:

See Spent Gw

STIPULATIONS:

*1- Federal Approval
2- OIL SHALE*

CAUSE: 173-14 / 12/2-1999



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

November 30, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
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(Proposed PZ Wasatch/MesaVerde)

43-047-39821	NBU 922-18F4CS Sec 18 T09S R22E 2529 FSL 1248 FWL BHL Sec 18 T09S R22E 2406 FNL 1895 FWL	
43-047-39822	NBU 922-18K2DS Sec 18 T09S R22E 2508 FSL 1282 FWL BHL Sec 18 T09S R22E 2099 FSL 1548 FWL	
43-047-39823	NBU 922-18E3CS Sec 18 T09S R22E 2540 FSL 1231 FWL BHL Sec 18 T09S R22E 2632 FSL 0136 FWL	
43-047-39824	NBU 922-18K1BS Sec 18 T09S R22E 2524 FSL 1256 FWL BHL Sec 18 T09S R22E 2602 FSL 1821 FWL	
43-047-39825	NBU 922-18M3S Sec 18 T09S R22E 1688 FSL 0334 FWL BHL Sec 18 T09S R22E 0203 FSL 0571 FWL	
43-047-39826	NBU 922-18L3S Sec 18 T09S R22E 1689 FSL 0274 FWL BHL Sec 18 T09S R22E 1390 FSL 0214 FWL	
43-047-39827	NBU 922-18L2CS Sec 18 T09S R22E 1687 FSL 0344 FWL BHL Sec 18 T09S R22E 1994 FSL 0262 FWL	

43-047-39828 NBU 922-18M2S Sec 18 T09S R22E 1689 FSL 0284 FWL
BHL Sec 18 T09S R22E 1075 FSL 0232 FWL

43-047-39829 NBU 922-18P3S Sec 18 T09S R22E 1424 FSL 2605 FEL
BHL Sec 18 T09S R22E 0203 FSL 0668 FEL

43-047-39830 NBU 922-18P2S Sec 18 T09S R22E 1436 FSL 2588 FEL
BHL Sec 18 T09S R22E 0988 FSL 0745 FEL

43-047-39831 NBU 922-18N2S Sec 18 T09S R22E 1402 FSL 2637 FEL
BHL Sec 18 T09S R22E 1278 FSL 1753 FWL

43-047-39832 NBU 922-18O3DS Sec 18 T09S R22E 1407 FSL 2629 FEL
BHL Sec 18 T09S R22E 0165 FSL 2024 FEL

43-047-39833 NBU 922-18O3AS Sec 18 T09S R22E 1413 FSL 2621 FEL
BHL Sec 18 T09S R22E 0465 FSL 1965 FEL

43-047-39834 NBU 922-18O1CS Sec 18 T09S R22E 1419 FSL 2613 FEL
BHL Sec 18 T09S R22E 0687 FSL 1723 FEL

43-047-39835 NBU 922-18O1BS Sec 18 T09S R22E 1430 FSL 2596 FEL
BHL Sec 18 T09S R22E 1046 FSL 1714 FEL

43-047-39836 NBU 922-18C4BS Sec 18 T09S R22E 1875 FNL 0362 FWL
BHL Sec 18 T09S R22E 0745 FNL 1878 FWL

43-047-39837 NBU 922-18E2S Sec 18 T09S R22E 1870 FNL 0354 FWL
BHL Sec 18 T09S R22E 1529 FNL 0503 FWL

43-047-39838 NBU 922-18F1CS Sec 18 T09S R22E 1892 FNL 0387 FWL
BHL Sec 18 T09S R22E 1724 FNL 1956 FWL

43-047-39839 NBU 922-18N2AS Sec 18 T09S R22E 1396 FSL 2228 FWL
BHL Sec 18 T09S R22E 1016 FSL 1617 FWL

43-047-39840 NBU 922-18L2BS Sec 18 T09S R22E 2513 FSL 1273 FWL
BHL Sec 18 T09S R22E 2344 FSL 0223 FWL

43-047-39841 NBU 922-18D3BS Sec 18 T09S R22E 1853 FNL 0329 FWL
BHL Sec 18 T09S R22E 0877 FNL 0256 FWL

43-047-39842 NBU 922-18J3S Sec 18 T09S R22E 1453 FSL 2564 FEL
BHL Sec 18 T09S R22E 1888 FSL 2052 FEL

43-047-39843 NBU 922-18J1S Sec 18 T09S R22E 1447 FSL 2572 FEL
BHL Sec 18 T09S R22E 2062 FSL 1665 FEL

43-047-39844 NBU 922-18I3S Sec 18 T09S R022E 1442 FSL 2580 FEL
BHL Sec 18 T09S R022E 1346 FSL 0726 FEL

43-047-39845 NBU 922-18C4CS Sec 18 T09S R22E 1881 FNL 0370 FWL
BHL Sec 18 T09S R22E 1075 FNL 1849 FWL

43-047-39846 NBU 922-18F1BS Sec 18 T09S R22E 1886 FNL 0379 FWL
BHL Sec 18 T09S R22E 1375 FNL 1868 FWL

43-047-39847 NBU 922-18N2CS Sec 18 T09S R22E 1390 FSL 2220 FWL
BHL Sec 18 T09S R22E 0775 FSL 1462 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-30-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

December 3, 2007

Kerr McKee Oil and Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078

Re: NBU 922-18K2DS Well, Surface Location 2508' FSL, 1282' FWL, NE SW, Sec. 18,
T. 9 South, R. 22 East, Bottom Location 2099' FSL, 1548' FWL, NE SW, Sec. 18,
T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39822.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr McKee Oil and Gas Onshore LP
Well Name & Number NBU 922-18K2DS
API Number: 43-047-39822
Lease: UTU-0359

Surface Location: NE SW Sec. 18 T. 9 South R. 22 East
Bottom Location: NE SW Sec. 18 T. 9 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED
VERNAL FIELD OFFICE

2007 NOV '5 PM 12:37

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

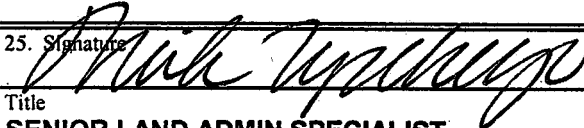
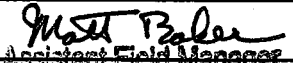
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0461	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		8. Lease Name and Well No. NBU 922-1803DS	
3b. Phone No. (include area code) (435) 781-7024		9. API Well No. 43 047 39822	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SE 1407'FSL, 2629'FEL At proposed prod. Zone SW/SE 165'FSL, 2024'FEL		10. Field and Pool, or Exploratory NATURAL BUTTES	
14. Distance in miles and direction from nearest town or post office* 16.6 +/- MILES FROM OURAY, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area SEC. 18, T9S, R22E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1407'		12. County or Parish UINTAH	
16. No. of Acres in lease 601.96		13. State UTAH	
17. Spacing Unit dedicated to this well 40.00			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		20. BLM/BIA Bond No. on file RLB0005239	
19. Proposed Depth 9897'			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4861'GL		22. Approximate date work will start* UPON APPROVAL	
		23. Estimated duration TO BE DETERMINED	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 11/16/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) MATT BAKER	Date FEB 22 2008
Title Acting Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

RECEIVED

FEB 26 2008

DEPT. OF OIL, GAS & MINING

No NOS

28 MIC 0078A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP **Location:** NWSE, Sec. 18, T9S, R22E
Well No: NBU 922-18O3DS **Lease No:** UTU-0461
API No: 43-047-39832 **Agreement:** Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

Specific Surface COAs

- Re-route 24 Inch pipeline on location.
- 8 Inch pipeline.
- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter

and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ¼¼, Sec., Twn, Rng, and P.M..
 - Date well was placed in a producing status date of first production for which royalty will be paid.
 - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall

have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

RECEIVED

NOV - 7 2007

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE
2007 NOV 19 AM 10:24

BLM
FOIA APPROVED
OMB No. 1004-0136
Expires November 30, 2000


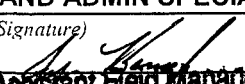
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-0359
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP			7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 922-18K2DS
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SW 2508'FSL, 1282'FWL At proposed prod. Zone NE/SW 2099'FSL, 1548'FWL			9. API Well No. 43 047 39822
14. Distance in miles and direction from nearest town or post office* 27.95 +/- MILES FROM OURAY, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1282'		16. No. of Acres in lease 162.39	11. Sec., T., R., M., or Blk. and Survey or Area SEC. 18, T9S, R22E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		19. Proposed Depth 9863'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4899'GL		22. Approximate date work will start* UPON APPROVAL	13. State UTAH
17. Spacing Unit dedicated to this well 40.00			
20. BLM/BIA Bond No. on file RLB0005239			
23. Estimated duration TO BE DETERMINED			

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 11/16/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) Terry Kuehka	Date SEP 08 2008
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

UDOGM

NOTICE OF APPROVAL

RECEIVED

SEP 16 2008

DIV. OF OIL, GAS & MINING

No Nos
08m1c0082A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP **Location:** NESW, Sec. 18, T9S, R22E (S)
NESW, Sec. 18, T9S, R22E (B)
Well No: NBU 922-18K2DS **Lease No:** UTU-0359
API No: 43-047-39822 **Agreement:** Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	-	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

Additional Stipulations:

- Paint equipment Carlsbad Canyon.
- Contrary to paleo report – the moving of paleo effects is not authorized, per Tribal C.P.O.

General Conditions of Approval

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.

- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

1. A mist system is approved in lieu of deduster equipment. All other equipment for air/gas drilling shall meet specifications in Onshore Order #2, III. Requirements, E. Special Drilling Operations.
2. A formation integrity test shall be performed at the surface casing shoe before drilling more than twenty feet.
3. Logging program: Gamma Ray shall be run from TD to surface.
4. The conductor pipe shall be set and cemented in a competent formation.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L.P.

Well Name: NBU 922-18K2DS

Api No: 43-047-39822 Lease Type: FEDERAL

Section 18 Township 09S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 11/04/08

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 11/04/08 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739821	NBU 922-18F4CS	NESW	18	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
B	99999	2900	11/4/2008		11/10/08	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/4/2008 AT 0800 HRS. <i>BHL = SENW</i>						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739840	NBU 922-18L2BS	NESW	18	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
B	99999	2900	11/3/2008		11/10/08	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/3/2008 AT 1100 HRS. <i>BHL = NWSW</i>						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739822	NBU 922-18K2DS	NESW	18	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
B	99999	2900	11/4/2008		11/10/08	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/4/2008 AT 0800 HRS. <i>BHL = NESW</i>						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

11/5/2008

Date

RECEIVED

NOV 05 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2508' FSL, 1282' FWL,
NE/SW, SEC. 18, T9S-R22E

5. Lease Serial No.

UTU-0359

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

891008900A

8. Well Name and No.

NBU 922-18K2DS

9. API Well No.

4304739822

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7#
SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 11/4/2008 AT 0800 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

November 5, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

NOV 12 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/SW, SEC.18, T9S-R22E

2508' FSL, 1282' FWL

5. Lease Serial No.

UTU-0359

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

8. Well Name and No.

NBU 922-18K2DS

9. API Well No.

4304739822

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 11/10/2008. DRILLED 12 1/4" SURFACE HOLE TO 2850'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/ 265 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT +/- 350 PSI LIFT TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/ 150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

November 13, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

NOV 17 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-0359

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)
435.781.7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE HOLE: NE/SW SEC. 18, T9S, R22E 2508'FSL, 1282'FWL
BOTTOM HOLE: NE/SW SEC. 18, T9S, R22E 2089'FSL, 1548'FWL

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

8. Well Name and No.
NBU 922-18K2DS

9. API Well No.
4304739822

10. Field and Pool or Exploratory Area
NATURAL BUTTES

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	OPERATIONS
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 2850' TO 9857' ON 12/13/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG, LEAD CMT W/416 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1270 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. 296.21 BBL SLURRY LOST RETURNS 26 BBL LEFT OF DISPLACEMENT HAD GOOD LIFT PRESSURE OF 2498 PSI BUMPED PLUG AT 3303 PSI FLOATS HELD. L/D LANDING JT NIPPLE DOWN BOPE.

RELEASED H&P RIG 298 ON 12/15/2008 AT 2100 HRS.

RECEIVED

DEC 18 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 12/16/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

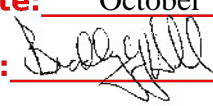
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

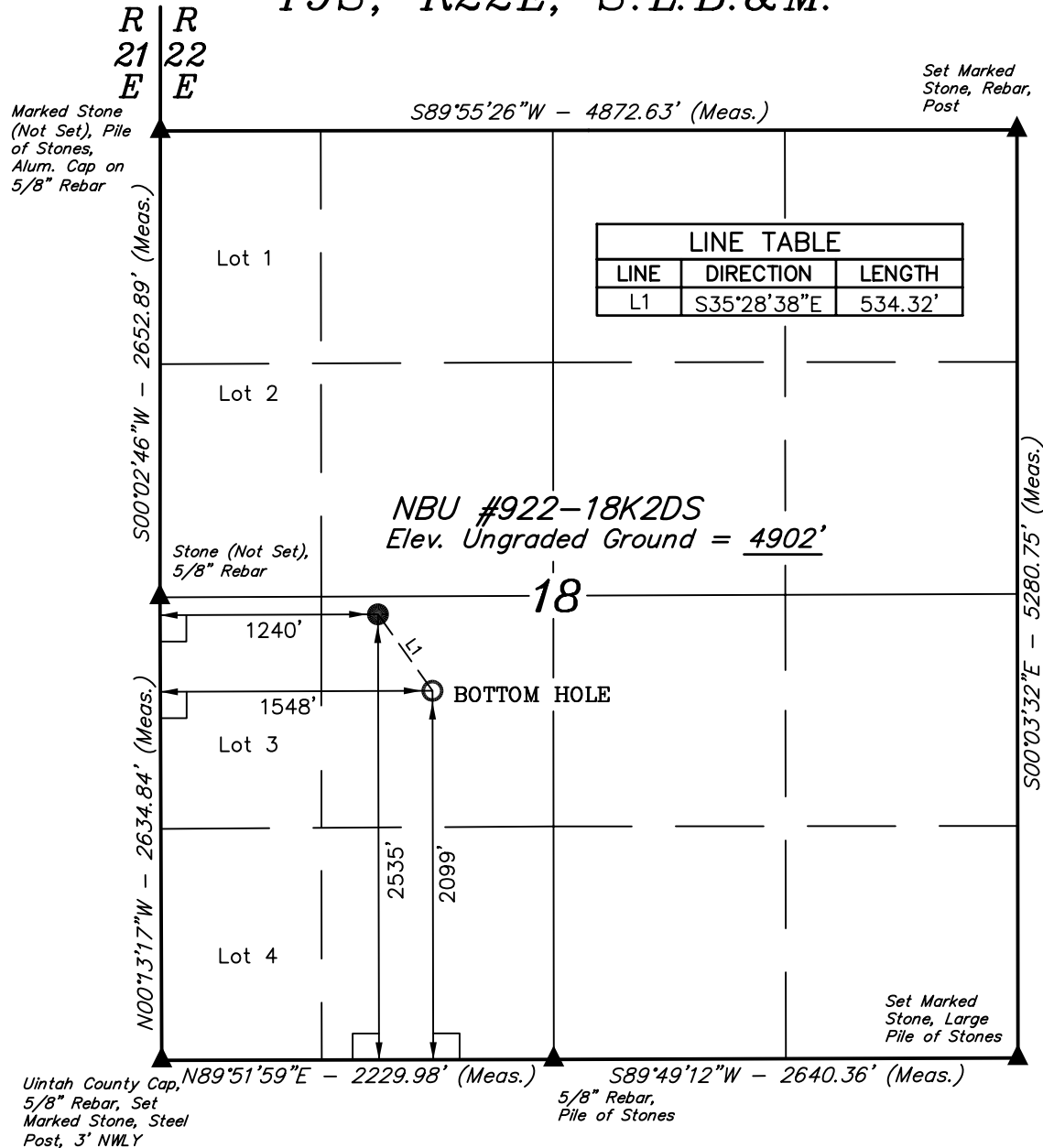
Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-18K2DS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FSL 1282 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 18 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047398220000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/15/2009	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="FOOTAGE UPDATES"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THE OPERATOR WISHES TO INFORM ON UPDATED SURFACE FOOTAGE CALLS FOR THIS WELL. THE SURFACE LOCATION UNDERWENT MINOR ADJUSTMENTS DUE TO DRILLING RIG CONFIGURATIONS. THE SURFACE LOCATION CHANGED FROM 2508 FSL & 1282 FWL TO: 2535 FSL & 1240 FWL. PLEASE SEE THE ATTACHED REVISED SURVEY PLAT FOR ADDITIONAL INFORMATION. THE BOTTOM HOLE LOCATION DID NOT CHANGE.		
Approved by the Utah Division of Oil, Gas and Mining Date: <u>October 19, 2009</u> By: 		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/15/2009	

T9S, R22E, S.L.B.&M.



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°02'04.21" (40.034503)	LATITUDE = 40°02'08.51" (40.035697)
LONGITUDE = 109°29'06.71" (109.485197)	LONGITUDE = 109°29'10.69" (109.486303)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°02'04.34" (40.034539)	LATITUDE = 40°02'08.64" (40.035733)
LONGITUDE = 109°29'04.24" (109.484511)	LONGITUDE = 109°29'08.22" (109.485617)

Kerr-McGee Oil & Gas Onshore LP

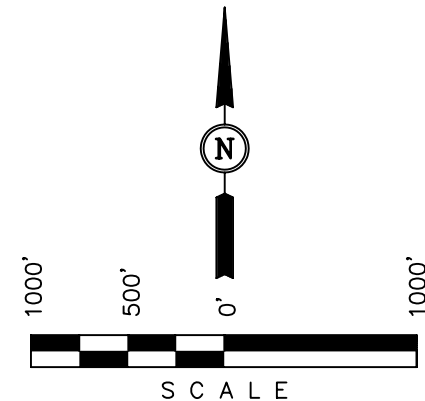
Well location, NBU #922-18K2DS, located as shown in the NE 1/4 SW 1/4 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 10-29-08

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-21-07
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

RECEIVED October 15, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-18K2DS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2535 FSL 1240 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 18 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047398220000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/7/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 11/7/2009 AT 10:00 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 10, 2009		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/10/2009	

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD			Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 11/6/2008		End Date: 12/15/2008	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/6/2008	4:00 - 12:00	8.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0400 HR 11/6/08 600' DA
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1120'
11/7/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1560'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1710' SURVEY .5 DEG
11/8/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2010'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2160' SURVEY .75 DEG
11/9/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2450'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG T/D @ 2850' CONDITION HOLE 1 HR SURVEY 1.5 DEG.
11/10/2008	0:00 - 6:00	6.00	DRLSUR	06		P		LDDS
	6:00 - 12:00	6.00	DRLSUR	12	C	P		RUN 2814' OF 9 5/8" CSG AND 200' OF 1" PIPE DOWN BACKSIDE. RIG DOWN AIR RIG.
	12:00 - 13:00	1.00	DRLSUR	12		P		CEMENT 1 STG W/ 265 SX OF LEAD @ 11# 3.82 YD 23 GAL SX AND 200 SX OF TAIL @ 15.8 # 1.15, 5 GAL SX. LOSS CIRC 60 BBLS INTO DISPLACEMENT. 350 PSI OF LIFT.
	13:00 - 13:30	0.50	DRLSUR	12	E	P		FIRST TOP JOB (100 SX) NO CEMENT TO SURFACE.
	13:30 - 15:30	2.00	DRLSUR	12	E	P		2ND TOP JOB (150 SX) CEMENT TO SURFACE AND STAYED AT SURFACE.
	15:30 - 15:30	0.00	DRLSUR					NO VISIBLE LEAKS IN PIT 10% FULL. WORT
11/17/2008	0:00 - 6:00	6.00	RDMO	21	C	P		WAIT ON DAYLIGHTS
	6:00 - 18:00	12.00	RDMO	01	E	P		RIG DOWN GETTING READY FOR TRUCKS
	18:00 - 0:00	6.00	RDMO	21	C	P		WAIT FOR DAYLIGHT
11/18/2008	0:00 - 6:00	6.00	RDMO	21	C	P		WAIT ON DAYLIGHT
	6:00 - 18:00	12.00	RDMO	01	E	P		RIG DOWN, LOAD OUT BACK YARD, PUMPS, MUD TANKS, MOTORS, FUEL TANK, LAY DERRICK OVER AND GET READY FOR TRUCKS. GETTING FRON YARD READY FOR TRUCKS.
	18:00 - 0:00	6.00	RDMO	21	C	P		WAIT ON DAYLIGHTS.
11/19/2008	0:00 - 6:00	6.00	RDMO	21	C	P		Wait on day light
	6:00 - 18:00	12.00	RDMO	01	E	P		RDMO. Load out 1 pump, co-man camp, tool pushers camp, rig change house, VFD house, MCC house, oil skid, water tank, BOP skid, drill pipe. Split top drive, blocks & unstring drilling line. Remainder of rig has been moved off location and moved to staging point.
								Equipment at staging point: Drilling line spool, catwalk and slide, draw works, HPU, mud boat, all of sub, BOP handler, 1 pump, shaker skid, parts house, a-leg section of derrick.
								Remainder of rig is still on location: Dog house, flare line, co-flex hose, winterizing frames, 3 connex houses, crown section of derrick, hot air heater, Western Petroleum diesel tank
	18:00 - 0:00	6.00	RDMO	21	C	P		Wait on day light
11/20/2008	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight

RECEIVED November 10, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH		Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 18:00	12.00	DRLPRO	01	B	P		MIRU the following: Set co-man house, directional house, toolpushers house, crew change house, 1 crew living quarters, water tank and septic tanks. String up location and set mud tanks, shaker skid and #1 pump. Unload skid package and started setting together.
								17 trucks total, 13 haul trucks, 2 loaders, 25 people w/ Hemphill Trucking. Estimated daily trucking cost for today \$47,000.00. Estimated total cost for rig move to date \$129000.00
11/21/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	MIRU	01	B	P		MIRU H&P 298's following equipment: VFD house, both generators, diesel tank, lubster skid, #2 pump. Lay out base frame for skid package and started assembly the flow line skid.
11/22/2008	18:00 - 0:00	6.00	MIRU	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		Rig up skid package, set drawworks, substructure and work on hooking up back yard. Winch truck was broke down for 6 hours w/ winch problems. Second winch truck was ordered but first winch truck was repaired before second truck arrived. Used both truck while setting draw work and substructure. Welder working on bracket on sub and draw works. Set walk way and roof plate on mud pumps. Pull wire tray from MCC house and VFD. Install ground rods. Plug in electrical lines to mud pumps.
11/23/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN and wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		Continue to rig up skid package. Raised shakers and substructure. Set mud boat. Set a-leg section of derrick and connect crown section, raised derrick board and belly board. Set water tank and trip tank. Install slides on shakers. Start rigging up flare line. Welders continue to weld on sub and skid package
11/24/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN. Wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		Continue to rig up skid package. Started hooking up flare lines so welder can build extra lines. Set flow line base stands, top stands and put up handrails. Install sliding rams on sub skid. Set skid package for drillers cabin, BOP handler, drillers cabin and raise to sub height. Connect blocks to top drive and strung up drilling line. Dress out shaker skid. Set pipe racks and load with drill pipe to be inspected.
11/25/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN and wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		HSM w/ rig crews. Assist welders w/ skid system for sub and draw works. Unpin skid cylinders and bleed and work out air and re pin skid cylinders. Installed extension track to skid rig 15' and pin to mud boat. Hookup hydraulic lines to sub. Hook up MRC's to derrick and bleed same. Finish getting cables from derrick. Plug in electrical to HPU. Broke apart old flow line and assembled to new flow line.
11/26/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN. Wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH		Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/27/2008	6:00 - 18:00	12.00	DRLPRO	01	B	P		HSM w/ Hemphill and crews. Continue to rig up skid package and rig. Inspect derrick in preparation in for raising. Cut off cover on derrick counter weight and remove some weight and re-weld cover. Reviewed JSA on raising derrick and raised derrick. Unpin mast raising cylinders, disconnect hoses and roll up. Un-pin boom poles. Set Chinook and boiler. Set Zeco mud cleaner w/ crane. Finish shaker section of flow line and hooked up gas buster lines. Welders continue working on skid package and flare lines SDFN. Wait on daylight
	18:00 - 0:00	6.00	DRLPRO	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
11/28/2008	6:00 - 18:00	12.00	DRLPRO	01	B	P		HSM w/ Hemphill and rig crews. Rig up BOP handler. Pickup stack and set on FMC DTO wellhead and tested to 5000 psi, held. Broke a part BOP and install 2 - 24" spacer spools. Installed kill line and hammered up all bolts. Set flow line. Finish wind wall rails on back side of rig floor. Installed tarps on front of floor. Set cable tray, extension for cable trays and raised to floor. Strung out electrical lines. SDFN. Wait on daylight
	18:00 - 0:00	6.00	DRLPRO	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight
11/29/2008	6:00 - 18:00	12.00	MIRU	01	B	P		HSM w/ Hemphill and rig crew. Nipple up rotating head to spacer spool and nipple up to annular. Assist welders in modification of flow line flanges. Finish wire line tray to rig floor. Install new mud line. Installed exhaust riser to boiler. Placed 1st section of flare line to check for modification. Move pipe around for inspection. Unload directional tools, HWDP and drilling jars. Rig up air to Koomey air pumps and check operation. SDFN. Wait on daylight
	18:00 - 0:00	6.00	MIRU	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight
11/30/2008	6:00 - 18:00	12.00	MIRU	01	B	P		HSM w/ Hemphill and rig crews. Set heater and cellar pump in sub. Set catwalk, slide and flare lines w/ picker truck. Make up flare lines, assist welders with new flare lines and pup joints. Hang tarps on part of sub and rig floor. Set drain hoses and hookup water lines. Rig up hopper house and circulating system for pits and rig. Filled boiler tank with water. Hookup new hoses from flow line to trip tank. Work on new electrical system for rig floor and skid package, building stands and cover for lines. Hauled water and filled mud tanks and hauled out Trona water from reserve pit, six loads fresh and six loads for Trona water out SDFN. Wait on daylight
	18:00 - 0:00	6.00	MIRU	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight
12/1/2008	6:00 - 18:00	12.00	MIRU	01	B	P		HSM with crews. Finish rigging up flare lines. Finish wireline tray on floor. Finish tarps around rig floor. Set BHA and lift sub out for inspection. Rig up yellow dog. Clean inside of water tank. Unlock breakers and power up PLC's. Set parts house between boiler and VFD house. Hookup flow line to gas buster. Set line backers and run Gai Tronics line to VFD. Start arranging front of location SDFN. Wait on daylight
	18:00 - 0:00	6.00	MIRU	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)	Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH	Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/2/2008	6:00 - 13:00	7.00	MIRU	01	B	P		HSM w/ crews. Move drill pipe to get inspected. Organize location for pipe baskets. Rig up shower eye station on mud tanks. Continue to rig up tarps around substructure
	13:00 - 15:00	2.00	MIRU	08	B	S		Trouble shoot electrical problems with draw works
	15:00 - 21:00	6.00	MIRU	01	B	P		Modify cellar cover and install. Extend mouse hole sock. Spool drilling line on draw works. Undock top drive. Day down transport sub. Picked up heaters for rig floor. Finish rigging up flow line and safety cables. Finish grounding buildings.
	21:00 - 0:00	3.00	MIRU	01	B	P		Broke tour at 15:00 hours, wait on night crew
	0:00 - 6:00	6.00	MIRU	01	B	P		Rig up steam lines. Organized pipe on location. Pickup mouse hole sock. Load BHA on pipe racks. Start rigging rig floor for spud.
	6:00 - 10:30	4.50	MIRU	01	B	P		Finish steam lines. Load pipe rack with drill pipe. Strap BHA and drill pipe. Install steps in sub
	10:30 - 11:30	1.00	MIRU	08	B	S		Trouble shoot electrical problems with top drive and reroute encoder cables
	11:30 - 16:00	4.50	MIRU	15	A	P		HSM w/ Single Jack Testing. Rig up Single Jack and test TIW, manual, hydraulic I-Bop, dart valve, pipe rams, blind rams choke valves and choke line to 250 psi low for 5 minute and 5000 psi high for 10 minutes. Test annular to 250 psi low for 5 minutes and 2500 psi for 10 minutes. Tested casing to 1500 psi for 30 minutes. Koomey test started at 2800 psi shut pump off, closed HCR, 2 seconds, closed Annular 14 second, pipes 4 seconds then opened pipe final pressure 2000 psi. Bleed Koomey down, pressure dropped to 1000 psi. Closed nitrogen bottles, closed Annular, closed HCR turned pumps on 58 seconds to build pressure
	16:00 - 18:00	2.00	MIRU	06	A	P		HSM w/ Weatherford and reviewed verbal JSA's on rigging up lay down machine and picking up drill string
	18:00 - 18:30	0.50	MIRU	06	A	P		HSM w/ Weatherford pickup crew and rig crew
12/3/2008	18:30 - 23:30	5.00	MIRU	06	A	P		Pickup 24 joints HWDP, Jars, 5 HWDP and 57 joints drill pipe
	23:30 - 0:00	0.50	MIRU	14	A	S		Nipple down rotating head and change spacer spool between annular and rotating head
	0:00 - 4:00	4.00	DRLPRO	14	A	P		RIG DOWN FLOW LINE AND SPACER SPOOL, REPLACE SPACER SPOOL AND RIG UP FLOW LINE.
	4:00 - 4:30	0.50	DRLPRO	11	E	P		PRESSURE TEST MUD LINES AND PUMPS TO 3500 PSI.
	4:30 - 5:00	0.50	DRLPRO	14	B	P		INSTALL WEAR BUSHING.
	5:00 - 10:30	5.50	DRLPRO	06	A	P		PICK UP BHA, DIRECTIONAL TOOLS AND TRIP INTO 2776'
	10:30 - 11:30	1.00	DRLPRO	02	F	P		DRILL CMT, FLOAT AND SHOE FROM 2776-2840 SHOE DEPTH. STOPPED AT 2842'
	11:30 - 19:30	8.00	DRLPRO	08	A	Z		TOTCO COMPUTER CRASHED, WAIT ON TOTCO TO FIX COM CARD, TROUBLE SHOOT FLOW LINE SENSOR (6 HR RIG DOWN TIME.)
	19:30 - 22:30	3.00	DRLPRO	02	D	P		WASH F/2842-2876, DRILLING F/2876-3005 WOB 5-18, RPM 45-55, SPP ON/OFF 900/800, TQ ON/OFF 3/0, GPM 359 @ 3002' HAD 3' FLARE.
	22:30 - 23:00	0.50	DRLPRO	08	A	P		LEVEL DERRICK
12/4/2008	23:00 - 0:00	1.00	DRLPRO	14	B	P		INSTALL ROTATING RUBBER, REPLACE RING GASKET ON ROTATING HEAD IT WAS LEAKING.
	0:00 - 17:00	17.00	DRLPRO	02	C	P		DRILLING F/3005-3853 WOB 5-18, RPM 45-55, MOTOR RPM 57, SPP ON/OFF 900/800, TQ ON/OFF 6/1, GPM 360
	17:00 - 18:00	1.00	DRLPRO	10	D	P		SURVEYS, SLIDES AND CONN.

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH		Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/5/2008	18:00 - 0:00	6.00	DRLPRO	02	C	P		DRILLING F/3853-4062 WOB 5-18, RPM 45-55, MOTOR RPM 57, SPP ON/OFF 1200/1000, TQ ON/OFF 6/1, GPM 360
	0:00 - 5:00	5.00	DRLPRO	02	D	P		DRILLING F/4062-4342 WOB 5-18, RPM 45-55, MOTOR RPM 57, SPP ON/OFF 1200/1000, TQ ON/OFF 6/1, GPM 360
	5:00 - 6:00	1.00	DRLPRO	10	D	P		SURVEYS, SLIDES AND CONN.
	6:00 - 13:00	7.00	DRLPRO	02	D	P		DRILLING F/4342-4990 WOB 18, RPM 45, MOTOR RPM 64, SPP ON/OFF 1650/1450, TQ ON/OFF 7/3, GPM 404, 648', ROP 92.5
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 17:30	4.00	DRLPRO	02	D	P		DRILLING F/4990-5273 WOB 18, RPM 45, MOTOR RPM 66, SPP ON/OFF 1650/1450, TQ ON/OFF 7/3, GPM 417, 283', ROP 70.7
	17:30 - 18:00	0.50	DRLPRO	10	D	P		SURVEY'S AND CONN.
12/6/2008	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILLING F/5273-5625 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 352', ROP 58.6
	0:00 - 5:00	5.00	DRLPRO	02	D	P		DRILLING F/5625-6000 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 375', ROP 75.0
	5:00 - 6:00	1.00	DRLPRO	10	D	P		SURVEYS, SLIDES AND CONN.
	6:00 - 9:30	3.50	DRLPRO	02	D	P		DRILLING F/6000-6091 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 91', ROP 26.0
	9:30 - 10:00	0.50	DRLPRO	05	C	X		LOST 500 PSI CHECK SURFACE EQUIPMENT FOR PRESSURE LOSS
	10:00 - 16:30	6.50	DRLPRO	06	J	P		TRIP OUT OF HOLE CHECKING FOR HOLE IN PIPE, TIGHT AND WORK THRU 5024, 4800, 4296, 4179 AND 3889 CHECK MUD MOTOR AND BREAK OUT BIT.
	16:30 - 17:00	0.50	DRLPRO	05	A	X		PRESSURE TEST SURFACE EQUIPMENT AGAIN. TESTED PUMPS AND MUD LINES TO 3100 PSI TESTED GOOD.
12/7/2008	17:00 - 23:00	6.00	DRLPRO	06	A	P		L/D MWD TOOL AND CHANGE OUT BATTERY, CHANGE OUT MUD MOTOR PICK UP BIT #3, L/D JARS. AND TRIP IN HOLE. HAD SOME HOLE DRAG TO BTM AND NO REAL TIGHT SPOTS. WASH 70' TO BTM. 3' OF FILL.
	23:00 - 23:30	0.50	DRLPRO	03	D	P		DRILLING F/6091-6123 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 32', ROP 64
	23:30 - 0:00	0.50	DRLPRO	02	D	P		DRILLING F/6123-6657 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 534', ROP 76.2
	0:00 - 7:00	7.00	DRLPRO	02	D	P		LOST 180 BBLs DOWN HOLE MIX LCM TO 5% AND BUILD VOL. SLOW DOWN PUMP SPM TO 45 HEEL UP LOSS ZONE. STILL HAVE SOME SEEPAGE.
	7:00 - 9:30	2.50	DRLPRO	22	G	X		DRILLING F/6657-7161 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 504', ROP 63.0 DRILLING WITH 3-5% LCM, HAVE SEEPAGE WHILE DRILLING.
	9:30 - 17:30	8.00	DRLPRO	02	D	P		RIG SERVICE
	17:30 - 18:00	0.50	DRLPRO	07	A	P		DRILLING F/7161-7502 WOB 18, RPM 45, MOTOR RPM 64, SPM 90, GPM 404, SPP ON/OFF 2350/2150, TQ ON/OFF 9/5, 341', ROP 56.8
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILLING WITH 3-5% LCM, HAVE SEEPAGE WHILE DRILLING.

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US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH		Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/8/2008	0:00 - 18:00	18.00	DRLPRO	02	D	P		DRILLING F/7502-8280 WOB 18, RPM 45, MOTOR RPM 64, SPM 90, GPM 404, SPP ON/OFF 2350/2150, TQ ON/OFF 10/5, 778', ROP 43.2 DRILLING WITH 3-5% LCM, HAVE SEEPAGE WHILE DRILLING.
	18:00 - 18:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	18:30 - 0:00	5.50	DRLPRO	02	D	P		DRILLING F/78280-8526 WOB 18, RPM 45, MOTOR RPM 64, SPM 90, GPM 404, SPP ON/OFF 2350/2150, TQ ON/OFF 10/5, 246', ROP 44.7 DRILLING WITH 2% LCM, HAVE SEEPAGE WHILE DRILLING.
12/9/2008	0:00 - 16:00	16.00	DRLPRO	02	D	P		SPR @8389 MP #1 20=400, 40=700, 60=1000 PSI DRILLING F/8526-9130 WOB 20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2550/2350, TQ ON/OFF 11/6, 604', ROP 37.7
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SPR @8389 MP #1 20=400, 40=700, 60=1000 PSI WELL SEEPING LOST 50 BBLS.
	16:30 - 0:00	7.50	DRLPRO	22	G	P		RIG SERVICE. LOST PARTIAL RETURNS, PICK UP BUILD MUD, LCM SYSTEM UP TO 10-15% LOST 348 BBLS OF MUD WHILE CIRC AND BUILDING VOL.
12/10/2008	0:00 - 10:30	10.50	DRLPRO	06	A	P		TRIPPING OUT HAD TIGHT SPOTS AT 7766 40K OVER, 6555 80K OVER. PULL MWD TOOL AND REPLACE, L/D BIT #2 AND MUD MOTOR. PICK MOTOR AND BIT #3 TIH 5 STDS TEST MWD AND MOTOR. TIH TO SHOE.
	10:30 - 12:00	1.50	DRLPRO	09	A	P		SLIP AND CUT DRILLING LINE.
	12:00 - 12:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	12:30 - 14:30	2.00	DRLPRO	08	B	X		WORK ON TOP DRIVE, WIRE UP BLOWER FOR TRACTION MOTOR.
	14:30 - 18:00	3.50	DRLPRO	06	A	P		TRIP IN HOLE WORK THRU TIGHT SPOTS AT 6592, 7540 INSTALL ROTATING HEAD AND TRIP IN TO 9050'
	18:00 - 18:30	0.50	DRLPRO	03	D	P		WASH AND REAM F/9050-9130 5' OF FILL.
	18:30 - 0:00	5.50	DRLPRO	02	D	P		DRILLING F/9130-9250 WOB 18-20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2550/2350, TQ ON/OFF 11/6, 120' 21.8, ROP
12/11/2008	0:00 - 9:00	9.00	DRLPRO	02	D	P		DRILLING F/9250-9321 WOB 18-20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2600/2400, TQ ON/OFF 11/6, 71', ROP 7.8
	9:00 - 9:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	9:30 - 10:00	0.50	DRLPRO	08	B	X		WORK ON PUMPS, CHANGE OUT 8 VALVES AND 2 SEAT TOTAL FROM BOTH PUMPS.
	10:00 - 14:00	4.00	DRLPRO	02	D	P		DRILLING F/9321-9343 WOB 18-20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2600/2400, TQ ON/OFF 11/6, FTG 22', ROP 5.5
	14:00 - 15:00	1.00	DRLPRO	05	C	P		MIX AND PUMP SLUG FOR TRIP.
	15:00 - 20:30	5.50	DRLPRO	06	A	P		TRIP OUT OF HOLE TO CHANGE, L/D MUD MOTOR AND BIT. BIT 1.5" OUT OF GAUGE.
	20:30 - 0:00	3.50	DRLPRO	06	A	P		PICK UP BIT #4 AND MUD MOTOR AND TRIP IN.
12/12/2008	0:00 - 1:30	1.50	DRLPRO	06	A	P		TRIP IN HOLE TO 9130'
	1:30 - 2:00	0.50	DRLPRO	03	D	P		WASH AND REAM F/9130-9343
	2:00 - 0:00	22.00	DRLPRO	02	D	P		DRILL F/9343-9784 WOB 8-18, GPM 450, SPM 100, RPM 40, MOTOR RPM 72, PSI ON/OFF 2900/2660, TQ ON/OFF 9/4, MUD WT 11.5, VIS 54, PU 230, SO 175, ROT 198, FTG 441 ROP 20.0

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Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: PROPETRO/, H&P 298/298	
Event: DRILLING		Start Date: 11/6/2008		End Date: 12/15/2008	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/13/2008	0:00 - 1:00	1.00	DRLPRO	02	D	P		DRILL F/9784-9807 WOB 8-18, GPM 450, SPM 100, RPM 40, MOTOR RPM 72, PSI ON/OFF 2900/2660, TQ ON/OFF 9/4, MUD WT 11.5, VIS 54, PU 230, SO 175, ROT 198, FTG 23 ROP 23.0 LOSING CIRC WHILE DRILLING.
	1:00 - 6:00	5.00	DRLPRO	22	G	X		LOST TOTAL CIRC, REGAIN CIRC SLOWING PUMPS DOWN TO 200 GPM, MIX LCM AND BUILD VOL. LOST OVER 450 BBLs.
	6:00 - 7:30	1.50	DRLPRO	02	D	P		DRILL F/9807-9857 WOB 8-18, GPM 405, SPM 90, RPM 40, MOTOR RPM 65, PSI ON/OFF 2660/2300, TQ ON/OFF 10/6, MUD WT 11.5, VIS 54, PU 230, SO 175, ROT 198, FTG 50 ROP 33.3
	7:30 - 9:30	2.00	DRLPRO	05	C	P		CIRC AND PUMP HIGH VIS SWEEP.
	9:30 - 13:00	3.50	DRLPRO	06	E	P		WIPER TRIP TO 5000' TIGHT AT 9432,9338
	13:00 - 13:30	0.50	DRLPRO	03	E	P		WASH AND REAM F/9811-9857 15' OF FILL.
	13:30 - 15:30	2.00	DRLPRO	05	C	P		CIRC GAS 4716 UNITS 10' FLARE, FILL TRIP TANKS AND BUILD SLUG.
	15:30 - 21:00	5.50	DRLPRO	06	B	P		TRIP OUT TO LOG. L/D DIRECTIONAL TOOLS.
	21:00 - 0:00	3.00	DRLPRO	11	G	P		HELD SAFETY MEETING, RIG UP HALLIBURTON AND RUN IN TO LOG.
								RUN TRIPLE COMBO WITH HALLIBURTON.
12/14/2008	0:00 - 2:30	2.50	DRLPRO	11	G	P		TAGGED BRIDGE AT 6675' RIG DOWN LOGGERS.
	2:30 - 8:30	6.00	DRLPRO	06	A	P		PICK UP TRICONE BIT ER2005VPS, 3-20's AND TRIP IN FOR WIPER TRIP. WASH TIGHT SPOT AT 6850-6900' TRIP TO 9808' FILL PIPE AND INSTALL ROTATING RUBBER.
	8:30 - 9:00	0.50	DRLPRO	03	D	P		WASH AND REAM F/9808-9857 3' OF FILL
	9:00 - 11:00	2.00	DRLPRO	05	A	P		CIRC AND COND HOLE AND MUD, CIRC GAS OUT HAD 10' FLARE FOR TRIP GAS. FILL TRIP TANKS.
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE, PUMP SLUG.
	11:30 - 15:30	4.00	DRLPRO	06	B	P		TRIP OUT OF HOLE. NO TIGHT SPOTS. L/D BIT AND BIT SUB.
	15:30 - 20:00	4.50	DRLPRO	11	G	P		HELD SAFETY MTG WITH HALLIBURTON LOGGING. RIG UP LOGGERS AND LOG TRIPLE COMBO. LOGGERS DEPTH 9857'
	20:00 - 21:00	1.00	DRLPRO	14	B	P		PULL WEAR BUSHING AND CLEAN UP RIG FLOOR TO RUN CASING.
12/15/2008	21:00 - 0:00	3.00	DRLPRO	12	C	P		HELD SAFETY MTG. RIG UP AND RUN 4 1/2 CASING 11.6#, I-80, LTC
	0:00 - 7:00	7.00	PROD	12	C	P		FINISH RUNNING 4 1/2 CASING. RUN TO 9842', 233 JTS OF I-80 NO TIGHT SPOTS.
	7:00 - 9:30	2.50	PROD	05	D	P		CIRC GAS OUT 5' FLARE, RIG DOWN CASING EQUIPMENT, UNTHAW LINES ON FRAC TANK.
	9:30 - 14:30	5.00	PROD	12	E	P		RIG UP HOT OIL TRUCK TO HEAT UP FRAC TANK.
								HELD SAFETY MTG WITH BJ, RIG UP CMT EQUIPMENT AND CMT WITH PREMIUM LITE 11 CMT FOR LEAD OF 416 SKS OF 11#, 3.38 YIELD, 20.52 GAL/SK, 249.45 BBL SLURRY. 50/50 POZ CLASS G CMT FOR TAIL 1270 SKS, 14.3#, 1.31 YIELD, 5.90 GAL/SK. 296.21 BBL SLURRY. LOST RETURNS 26 BBLs LEFT OF DISPL. HAD GOOD LIFT PRESSURE OF 2498 PSI. BUMPED PLUG AT 3303 PSI. FLOATS HELD.
	14:30 - 21:00	6.50	PROD	14	A	P		L/D LANDING JT. NIPPLE DOWN BOPE
	21:00 - 0:00	3.00	MIRU	01	C	P		RELEASED RIG AT 21:00 HRS. ON 12/15/2008 PREPARE TO SKID RIG TO NBU 922-18L2BS

RECEIVED November 10, 2009

US ROCKIES REGION **Operation Summary Report**

Well: NBU 922-18K2DS (GREEN WELL)			Spud Conductor: 11/4/2008				Spud Date: 11/6/2008	
Project: UTAH-UINTAH			Site: NBU 922-18L PAD				Rig Name No: MILES 2/2	
Event: COMPLETION			Start Date: 10/20/2009				End Date: 11/6/2009	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)			UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/24/2009	7:00 - 10:00	3.00	COMP	47	C	P		X-OUT FMC TBG HEAD. ((DUE T/ TBG HEAD PARTING ON 18K2 WELL.))
10/26/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. SIM OPS.
	7:30 - 17:00	9.50	COMP	37	B	P		PSI TEST CSG & BOTH FRAC VALVES T/ 7000# W/ B&C QUICK TEST. GOOD TEST. BLEED OFF PSI. RDMO B&C QUICK TEST. STG 1) PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF F/ 9660'-66', 4 SPF, 24 HOLES. 9492'-96', 4 SPF, 16 HOLES. POOH. SWI. WINTERIZE WELL HEAD. HSM. SIME OPS.
10/27/2009	7:00 - 7:30	0.50	COMP	48		P		

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)	Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH	Site: NBU 922-18L PAD	Rig Name No: MILES 2/2
Event: COMPLETION	Start Date: 10/20/2009	End Date: 11/6/2009
Active Datum: RKB @4,925.00ft (above Mean Sea Level)	UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 20:00	12.50	COMP	36	B	P		<p>OPEN WELL 1122#.</p> <p>STG 1) BEG PUMPING, BRK @ 3706# @ 6.3 BPM. SD ISIP 2712#, FG .71. BEG FRAC, BULL HEAD 250 GAL 15% ACID IN PAD. PERF'S OPEN = 100%. PUMP 39,235# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3052#, FG .75. SWI, X-OVER T/ YELLOW WELL.</p> <p>STG 2) PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 9488' P/U PERF F/ 9454'-58', 3 SPF, 12 HOLES. 9422'-24', 3 SPF, 6 HOLES. 9342'-46', 4 SPF, 16 HOLES. 9204'-06', 3 SPF, 6 HOLES. POOH.</p> <p>OPEN WELL 2620#. BEG PUMPING, BRK @ 2956# @ 6.4 BPM. SD ISIP 2593#, FG .71. BEG FRAC, EST INJT RT @ 51.4 BPM @ 5464# = 87% PERFS OPEN. PUMP 4,632# OF WHITE THEN LOST 1 SIDE OF BLENDER. SD FOR 4 MIN & MADE REPAIRS. BEG FRACING AGAIN. START OFF WERE WE LEFT OFF. PUMP 102,297# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2708# FG .72. SWI, X-OVER T/ YELLOW WELL.</p> <p>STG 3)PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 9,080' P/U PERF F/ 9046'-50', 3 SPF, 12 HOLES. 8962'-65', 3 SPF, 9 HOLES. 8918'-22', 3 SPF, 12 HOLES. 8828'-30', 3 SPF, 6 HOLES. POOH.</p> <p>OPEN WELL 1820#.</p> <p>BEG PUMPING, BRK @ 2722# @ 6.4 BPM. SD ISIP 2040# FG .66. BEG FRAC, EST INJT RT @ 51.4 BPM @ 4400# = 100% PERF'S OPEN. PUMP 84,800# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2498# FG .71. SWI, X-OVER T/ YELLOW WELL.</p> <p>STG 4)PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8,816' P/U PERF F/ 8784'-86', 4 SPF, 8 HOLES. 8748'-50', 4 SPF, 8 HOLES. 8660'-64', 3 SPF, 12 HOLES. 8624'-26', 3 SPF, 6 HOLES. 8610'-12', 3 SPF, 6 HOLES. POOH.</p> <p>WHP 1,927 PSI, BRK 2,399 PSI @ 5.3 BPM. ISIP 2,213 PSI, FG .68.</p> <p>PUMP 100 BBLS @ 51.5 BPM @ 4,550 PSI = 100% HOLES OPEN.</p> <p>MP 5,351 PSI, MR 51.8 BPM, AP 4,239 PSI, AR 49.5 BPM, ISIP 2,659 PSI, FG .73, NPI 446 PSI.</p> <p>PMP 1,999 BBLS SW & 73,459 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 78,459 LBS,</p>

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: MILES 2/2	
Event: COMPLETION		Start Date: 10/20/2009		End Date: 11/6/2009	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/28/2009	6:30 - 7:00	0.50	COMP	48		P		STG 5) PU 4 1/2" HAL CBP & 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET CBP @ 8,508' & PERF 8,473' - 78' 3SPF, 8,404' - 06' 3SPF, 8,360' - 62' 3SPF, 8,258' - 62' 3SPF. 39 HOLES. SWI SDFN.
	7:00 - 7:00	0.00	COMP	36	B	P		HSM. FRACING & PERFORATING STG 5) WHP 920 PSI, BRK 2937 PSI @ 6.4 BPM. ISIP 2014 PSI, FG .67. PMP 100 BBLs @ 51.5 BPM @ 5,000 PSI = 76% HOLES OPEN. MP 5818 PSI, MR 51.7 BPM, AP 4596 PSI, AR 47.6 BPM, ISIP 2793 PSI, FG .76, NPI 779 PSI. PMP 1187 BBLs SW & 42,440 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN. TOTAL PROP 47,440 LBS, SWI, X-OVER T/ YELLOW/
11/5/2009	7:00 - 7:30	0.50	COMP	48		P		STG 6)PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8134' P/U PERF F/ 8100'-04', 4 SPF, 16 HOLES. 7978'-80', 3 SPF, 6 HOLES. 7954'-56', 3 SPF, 6 HOLES. 7918'-20', 3 SPF, 6 HOLES. 7850'-52', 3 SPF, 6 HOLES. POOH. WHP 1156 PSI, BRK 2935 PSI @ 6.4 BPM. ISIP 1916 PSI, FG .67. PMP 100 BBLs @ 51.5 BPM @ 4500 PSI = 100% HOLES OPEN. MP 4987 PSI, MR 51.7 BPM, AP 4149 PSI, AR 48.8 BPM, ISIP 2525 PSI, FG .75, NPI 609 PSI. PMP 1253 BBLs SW & 46,859 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN. TOTAL PROP 51,859 LBS SWI, X-OVER T/ RED WELL.
	7:30 - 17:00	9.50	COMP	44		P		PU 4 1/2 8K BAKER CBP. RIH SET CBP @ 7770'. POOH, SWI. FINISHED THIS WELL. RDMO MIRU, ND FRAC VALVE, NU BOP'S, PICK UP TBG, RIH TO 7800' TAG PLUG. PLUG #1 7800' 0 SAND 8 MIN 100# KICK PLUG #2 8134' 25' SAND 7 MIN 100# KICK TURNED WELL TO FLOW BACK FOR NIGHT DRILL PLUGS DRILL PLUGS PLUG #3 8508' 0 SAND 6 MIN 100# KICK PLUG #4 8816' 30' SAND 5 MIN 500# KICK PLUG #5 9080' 20' SAND 5 MIN 300# KICK PLUG #6 9488' 20' SAND 5 MIN 400# KICK RIH WITH 309 JTS TO 9797' CLEAN OUT 120' FILL, CIRC BTMS UP, LAY DWN 20 JTS TO 9178' LAND TBG. ND BOP'S, NU WH, PUMP OFF BIT SUB, 289 JTS TBG, XN SN 1.875, @ 9178.09' RDMO TO NBU 922-36G PAD.
11/6/2009	7:00 - 7:30	0.50	COMP	48		P		
	7:30 - 12:00	4.50	COMP	44		P		

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US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: MILES 2/2	
Event: COMPLETION		Start Date: 10/20/2009		End Date: 11/6/2009	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/7/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 1700#, 20/64" CK, 48 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 3284 BBLS LEFT TO RECOVER: 7489
	10:00 -		PROD	50				WELL TURNED TO SALE @ 1000 HR ON 11/7/09 - FTP 1450#, CP 3100#, 1.5 MCFD, 45 BWPD, 20/64 CK
11/8/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2775#, TP 1675#, 20/64" CK, 36 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 4283 BBLS LEFT TO RECOVER: 6490
11/9/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1525#, 20/64" CK, 28 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5047 BBLS LEFT TO RECOVER: 5726
11/10/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2300#, TP 1400#, 20/64" CK, 23 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5662 BBLS LEFT TO RECOVER: 5111

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. UTU63047A		
2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE			8. Lease Name and Well No. NBU 922-18K2DS		
3. Address P.O. BOX 173779 DENVER, CO 80217			9. API Well No. 43-047-39822		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESW 2535FSL 1240FWL 40.03573 N Lat, 109.48562 W Lon At top prod interval reported below NESW 2099FSL 1564FWL At total depth NESW 2070FSL 1595FWL 2069 FSL 1596 FWL			10. Field and Pool, or Exploratory NATURAL BUTTES		
14. Date Spudded 11/04/2008			15. Date T.D. Reached 12/13/2008		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/07/2009			17. Elevations (DF, KB, RT, GL)* 4899 GL		
18. Total Depth: MD 9857 TVD 9800			19. Plug Back T.D.: MD 9797 TVD 9739		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) ACRT/SDL/DSN-HR-BHV		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)					

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2839		715			
7.875	4.500 I-80	11.6		9842		1686			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9178							

25. Producing Intervals **W.S.M.V.D.**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7850	9666	7850 TO 9666	0.360	238	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7850 TO 9666	PMP 10,779 BBLs SLICK H2O & 419,090 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/07/2009	11/09/2009	24	→		1671.0	288.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	1250 SI	2300.0	→		1671	288		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #78296 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1778 2543 5131 7915	7816 9810			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND END OF WELL REPORT.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #78296 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name (please print) ANDY LYTLETitle REGULATORY ANALYST

Signature

(Electronic Submission)

Date 12/02/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH		Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/6/2008	4:00 - 12:00	8.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0400 HR 11/6/08 600' DA
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1120'
11/7/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1560'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1710' SURVEY .5 DEG
11/8/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2010'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2160' SURVEY .75 DEG
11/9/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2450'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG T/D @ 2850' CONDITION HOLE 1 HR SURVEY 1.5 DEG.
11/10/2008	0:00 - 6:00	6.00	DRLSUR	06		P		LDDS
	6:00 - 12:00	6.00	DRLSUR	12	C	P		RUN 2814' OF 9 5/8" CSG AND 200' OF 1" PIPE DOWN BACKSIDE. RIG DOWN AIR RIG.
	12:00 - 13:00	1.00	DRLSUR	12		P		CEMENT 1 STG W/ 265 SX OF LEAD @ 11# 3.82 YD 23 GAL SX AND 200 SX OF TAIL @ 15.8 # 1.15, 5 GAL SX. LOSS CIRC 60 BBLS INTO DISPLACEMENT. 350 PSI OF LIFT.
	13:00 - 13:30	0.50	DRLSUR	12	E	P		FIRST TOP JOB (100 SX) NO CEMENT TO SURFACE.
	13:30 - 15:30	2.00	DRLSUR	12	E	P		2ND TOP JOB (150 SX) CEMENT TO SURFACE AND STAYED AT SURFACE.
	15:30 - 15:30	0.00	DRLSUR					NO VISIBLE LEAKS IN PIT 10% FULL. WORT
11/17/2008	0:00 - 6:00	6.00	RDMO	21	C	P		WAIT ON DAYLIGHTS
	6:00 - 18:00	12.00	RDMO	01	E	P		RIG DOWN GETTING READY FOR TRUCKS
	18:00 - 0:00	6.00	RDMO	21	C	P		WAIT FOR DAYLIGHT
11/18/2008	0:00 - 6:00	6.00	RDMO	21	C	P		WAIT ON DAYLIGHT
	6:00 - 18:00	12.00	RDMO	01	E	P		RIG DOWN, LOAD OUT BACK YARD, PUMPS, MUD TANKS, MOTORS, FUEL TANK, LAY DERRICK OVER AND GET READY FOR TRUCKS. GETTING FROM YARD READY FOR TRUCKS.
	18:00 - 0:00	6.00	RDMO	21	C	P		WAIT ON DAYLIGHTS.
11/19/2008	0:00 - 6:00	6.00	RDMO	21	C	P		Wait on day light
	6:00 - 18:00	12.00	RDMO	01	E	P		RDMO. Load out 1 pump, co-man camp, tool pushers camp, rig change house, VFD house, MCC house, oil skid, water tank, BOP skid, drill pipe. Split top drive, blocks & unstring drilling line. Remainder of rig has been moved off location and moved to staging point.
								Equipment at staging point: Drilling line spool, catwalk and slide, draw works, HPU, mud boat, all of sub, BOP handler, 1 pump, shaker skid, parts house, a-leg section of derrick.
								Remainder of rig is still on location: Dog house, flare line, co-flex hose, winterizing frames, 3 connex houses, crown section of derrick, hot air heater, Western Petroleum diesel tank
	18:00 - 0:00	6.00	RDMO	21	C	P		Wait on day light
11/20/2008	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)	Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH	Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)	UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 18:00	12.00	DRLPRO	01	B	P		MIRU the following: Set co-man house, directional house, toolpushers house, crew change house, 1 crew living quarters, water tank and septic tanks. String up location and set mud tanks, shaker skid and #1 pump. Unload skid package and started setting together.
								17 trucks total, 13 haul trucks, 2 loaders, 25 people w/ Hemphill Trucking. Estimated daily trucking cost for today \$47,000.00. Estimated total cost for rig move to date \$129000.00
11/21/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	MIRU	01	B	P		MIRU H&P 298's following equipment: VFD house, both generators, diesel tank, lubster skid, #2 pump. Lay out base frame for skid package and started assembly the flow line skid.
11/22/2008	18:00 - 0:00	6.00	MIRU	21	C	P		Wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		Rig up skid package, set drawworks, substructure and work on hooking up back yard. Winch truck was broke down for 6 hours w/ winch problems. Second winch truck was ordered but first winch truck was repaired before second truck arrived. Used both truck while setting draw work and substructure. Welder working on bracket on sub and draw works. Set walk way and roof plate on mud pumps. Pull wire tray from MCC house and VFD. Install ground rods. Plug in electrical lines to mud pumps.
11/23/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN and wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		Continue to rig up skid package. Raised shakers and substructure. Set mud boat. Set a-leg section of derrick and connect crown section, raised derrick board and belly board. Set water tank and trip tank. Install slides on shakers. Start rigging up flare line. Welders continue to weld on sub and skid package
11/24/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN. Wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		Continue to rig up skid package. Started hooking up flare lines so welder can build extra lines. Set flow line base stands, top stands and put up handrails. Install sliding rams on sub skid. Set skid package for drillers cabin, BOP handler, drillers cabin and raise to sub height. Connect blocks to top drive and strung up drilling line. Dress out shaker skid. Set pipe racks and load with drill pipe to be inspected.
11/25/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN and wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		HSM w/ rig crews. Assist welders w/ skid system for sub and draw works. Unpin skid cylinders and bleed and work out air and re pin skid cylinders. Installed extension track to skid rig 15' and pin to mud boat. Hookup hydraulic lines to sub. Hook up MRC's to derrick and bleed same. Finish getting cables from derrick. Plug in electrical to HPU. Broke apart old flow line and assembled to new flow line.
11/26/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN. Wait on daylight
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008	Spud Date: 11/6/2008
Project: UTAH-UINTAH		Site: NBU 922-18L PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 11/6/2008	End Date: 12/15/2008
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/O/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/27/2008	6:00 - 18:00	12.00	DRLPRO	01	B	P		HSM w/ Hemphill and crews. Continue to rig up skid package and rig. Inspect derrick in preparation in for raising. Cut off cover on derrick counter weight and remove some weight and re-weld cover. Reviewed JSA on raising derrick and raised derrick. Unpin mast raising cylinders, disconnect hoses and roll up. Un-pin boom poles. Set Chinook and boiler. Set Zeco mud cleaner w/ crane. Finish shaker section of flow line and hooked up gas buster lines. Welders continue working on skid package and flare lines SDFN. Wait on daylight
	18:00 - 0:00	6.00	DRLPRO	21	C	P		
	0:00 - 6:00	6.00	DRLPRO	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	DRLPRO	01	B	P		HSM w/ Hemphill and rig crews. Rig up BOP handler. Pickup stack and set on FMC DTO wellhead and tested to 5000 psi, held. Broke a part BOP and install 2 - 24" spacer spools. Installed kill line and hammered up all bolts. Set flow line. Finish wind wall rails on back side of rig floor. Installed tarps on front of floor. Set cable tray, extension for cable trays and raised to floor. Strung out electrical lines.
11/28/2008	18:00 - 0:00	6.00	DRLPRO	21	C	P		SDFN. Wait on daylight
	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	MIRU	01	B	P		HSM w/ Hemphill and rig crew. Nipple up rotating head to spacer spool and nipple up to annular. Assist welders in modification of flow line flanges. Finish wire line tray to rig floor. Install new mud line. Installed exhaust riser to boiler. Placed 1st section of flare line to check for modification. Move pipe around for inspection. Unload directional tools, HWDP and drilling jars. Rig up air to Koomey air pumps and check operation.
	18:00 - 0:00	6.00	MIRU	21	C	P		SDFN. Wait on daylight
11/29/2008	0:00 - 6:00	6.00	MIRU	21	C	P		Wait on daylight
	6:00 - 18:00	12.00	MIRU	01	B	P		HSM w/ Hemphill and rig crews. Set heater and cellar pump in sub. Set catwalk, slide and flare lines w/ picker truck. Make up flare lines, assist welders with new flare lines and pup joints. Hang tarps on part of sub and rig floor. Set drain hoses and hookup water lines. Rig up hopper house and circulating system for pits and rig. Filled boiler tank with water. Hookup new hoses from flow line to trip tank. Work on new electrical system for rig floor and skid package, building stands and cover for lines.
	18:00 - 0:00	6.00	MIRU	21	C	P		Hauled water and filled mud tanks and hauled out Trona water from reserve pit, six loads fresh and six loads for Trona water out
	0:00 - 6:00	6.00	MIRU	21	C	P		SDFN. Wait on daylight
11/30/2008	6:00 - 18:00	12.00	MIRU	01	B	P		Wait on daylight
	18:00 - 0:00	6.00	MIRU	21	C	P		HSM with crews. Finish rigging up flare lines. Finish wireline tray on floor. Finish tarps around rig floor. Set BHA and lift sub out for inspection. Rig up yellow dog. Clean inside of water tank. Unlock breakers and power up PLC's. Set parts house between boiler and VFD house. Hookup flow line to gas buster. Set line backers and run Gai Tronics line to VFD. Start arranging front of location
	0:00 - 6:00	6.00	MIRU	21	C	P		SDFN. Wait on daylight
	6:00 - 18:00	12.00	MIRU	01	B	P		Wait on daylight
12/1/2008	18:00 - 0:00	6.00	MIRU	21	C	P		
	0:00 - 6:00	6.00	MIRU	21	C	P		

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: PROPETRO/, H&P 298/298	
Event: DRILLING		Start Date: 11/6/2008		End Date: 12/15/2008	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/2/2008	6:00 - 13:00	7.00	MIRU	01	B	P		HSM w/ crews. Move drill pipe to get inspected. Organize location for pipe baskets. Rig up shower eye station on mud tanks. Continue to rig up tarps around substructure
	13:00 - 15:00	2.00	MIRU	08	B	S		Trouble shoot electrical problems with draw works
	15:00 - 21:00	6.00	MIRU	01	B	P		Modify cellar cover and install. Extend mouse hole sock. Spool drilling line on draw works. Undock top drive. Day down transport sub. Picked up heaters for rig floor. Finish rigging up flow line and safety cables. Finish grounding buildings.
	21:00 - 0:00	3.00	MIRU	01	B	P		Broke tour at 15:00 hours, wait on night crew
	0:00 - 6:00	6.00	MIRU	01	B	P		Rig up steam lines. Organized pipe on location. Pickup mouse hole sock. Load BHA on pipe racks. Start rigging rig floor for spud.
	6:00 - 10:30	4.50	MIRU	01	B	P		Finish steam lines. Load pipe rack with drill pipe. Strap BHA and drill pipe. Install steps in sub
	10:30 - 11:30	1.00	MIRU	08	B	S		Trouble shoot electrical problems with top drive and reroute encoder cables
	11:30 - 16:00	4.50	MIRU	15	A	P		HSM w/ Single Jack Testing. Rig up Single Jack and test TIW, manual, hydraulic I-Bop, dart valve, pipe rams, blind rams choke valves and choke line to 250 psi low for 5 minute and 5000 psi high for 10 minutes. Test annular to 250 psi low for 5 minutes and 2500 psi for 10 minutes. Tested casing to 1500 psi for 30 minutes. Koomey test started at 2800 psi shut pump off, closed HCR, 2 seconds, closed Annular 14 second, pipes 4 seconds then opened pipe final pressure 2000 psi. Bleed Koomey down, pressure dropped to 1000 psi. Closed nitrogen bottles, closed Annular, closed HCR turned pumps on 58 seconds to build pressure
	16:00 - 18:00	2.00	MIRU	06	A	P		HSM w/ Weatherford and reviewed verbal JSA's on rigging up lay down machine and picking up drill string
	18:00 - 18:30	0.50	MIRU	06	A	P		HSM w/ Weatherford pickup crew and rig crew
12/3/2008	18:30 - 23:30	5.00	MIRU	06	A	P		Pickup 24 joints HWDP, Jars, 5 HWDP and 57 joints drill pipe
	23:30 - 0:00	0.50	MIRU	14	A	S		Nipple down rotating head and change spacer spool between annular and rotating head
	0:00 - 4:00	4.00	DRLPRO	14	A	P		RIG DOWN FLOW LINE AND SPACER SPOOL, REPLACE SPACER SPOOL AND RIG UP FLOW LINE.
	4:00 - 4:30	0.50	DRLPRO	11	E	P		PRESSURE TEST MUD LINES AND PUMPS TO 3500 PSI.
	4:30 - 5:00	0.50	DRLPRO	14	B	P		INSTALL WEAR BUSHING.
	5:00 - 10:30	5.50	DRLPRO	06	A	P		PICK UP BHA, DIRECTIONAL TOOLS AND TRIP INTO 2776'
	10:30 - 11:30	1.00	DRLPRO	02	F	P		DRILL CMT, FLOAT AND SHOE FROM 2776-2840 SHOE DEPTH. STOPPED AT 2842'
	11:30 - 19:30	8.00	DRLPRO	08	A	Z		TOTCO COMPUTER CRASHED, WAIT ON TOTCO TO FIX COM CARD, TROUBLE SHOOT FLOW LINE SENSOR (6 HR RIG DOWN TIME.)
	19:30 - 22:30	3.00	DRLPRO	02	D	P		WASH F/2842-2876, DRILLING F/2876-3005 WOB 5-18, RPM 45-55, SPP ON/OFF 900/800, TQ ON/OFF 3/0, GPM 359 @ 3002' HAD 3' FLARE.
	22:30 - 23:00	0.50	DRLPRO	08	A	P		LEVEL DERRICK
12/4/2008	23:00 - 0:00	1.00	DRLPRO	14	B	P		INSTALL ROTATING RUBBER, REPLACE RING GASKET ON ROTATING HEAD IT WAS LEAKING.
	0:00 - 17:00	17.00	DRLPRO	02	C	P		DRILLING F/3005-3853 WOB 5-18, RPM 45-55, MOTOR RPM 57, SPP ON/OFF 900/800, TQ ON/OFF 6/1, GPM 360
	17:00 - 18:00	1.00	DRLPRO	10	D	P		SURVEYS, SLIDES AND CONN.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: PROPETRO/, H&P 298/298	
Event: DRILLING		Start Date: 11/6/2008		End Date: 12/15/2008	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/5/2008	18:00 - 0:00	6.00	DRLPRO	02	C	P		DRILLING F/3853-4062 WOB 5-18, RPM 45-55, MOTOR RPM 57, SPP ON/OFF 1200/1000, TQ ON/OFF 6/1, GPM 360
	0:00 - 5:00	5.00	DRLPRO	02	D	P		DRILLING F/4062-4342 WOB 5-18, RPM 45-55, MOTOR RPM 57, SPP ON/OFF 1200/1000, TQ ON/OFF 6/1, GPM 360
	5:00 - 6:00	1.00	DRLPRO	10	D	P		SURVEYS, SLIDES AND CONN.
	6:00 - 13:00	7.00	DRLPRO	02	D	P		DRILLING F/4342-4990 WOB 18, RPM 45, MOTOR RPM 64, SPP ON/OFF 1650/1450, TQ ON/OFF 7/3, GPM 404, 648', ROP 92.5
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 17:30	4.00	DRLPRO	02	D	P		DRILLING F/4990-5273 WOB 18, RPM 45, MOTOR RPM 66, SPP ON/OFF 1650/1450, TQ ON/OFF 7/3, GPM 417, 283', ROP 70.7
	17:30 - 18:00	0.50	DRLPRO	10	D	P		SURVEY'S AND CONN.
12/6/2008	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILLING F/5273-5625 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 352', ROP 58.6
	0:00 - 5:00	5.00	DRLPRO	02	D	P		DRILLING F/5625-6000 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 375', ROP 75.0
	5:00 - 6:00	1.00	DRLPRO	10	D	P		SURVEYS, SLIDES AND CONN.
	6:00 - 9:30	3.50	DRLPRO	02	D	P		DRILLING F/6000-6091 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 91', ROP 26.0
	9:30 - 10:00	0.50	DRLPRO	05	C	X		LOST 500 PSI CHECK SURFACE EQUIPMENT FOR PRESSURE LOSS
	10:00 - 16:30	6.50	DRLPRO	06	J	P		TRIP OUT OF HOLE CHECKING FOR HOLE IN PIPE, TIGHT AND WORK THRU 5024, 4800, 4296, 4179 AND 3889 CHECK MUD MOTOR AND BREAK OUT BIT.
	16:30 - 17:00	0.50	DRLPRO	05	A	X		PRESSURE TEST SURFACE EQUIPMENT AGAIN. TESTED PUMPS AND MUD LINES TO 3100 PSI TESTED GOOD.
	17:00 - 23:00	6.00	DRLPRO	06	A	P		L/D MWD TOOL AND CHANGE OUT BATTERY, CHANGE OUT MUD MOTOR PICK UP BIT #3, L/D JARS. AND TRIP IN HOLE. HAD SOME HOLE DRAG TO BTM AND NO REAL TIGHT SPOTS.
	23:00 - 23:30	0.50	DRLPRO	03	D	P		WASH 70' TO BTM. 3' OF FILL.
	23:30 - 0:00	0.50	DRLPRO	02	D	P		DRILLING F/6091-6123 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 32', ROP 64
12/7/2008	0:00 - 7:00	7.00	DRLPRO	02	D	P		DRILLING F/6123-6657 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 534', ROP 76.2
	7:00 - 9:30	2.50	DRLPRO	22	G	X		LOST 180 BBLS DOWN HOLE MIX LCM TO 5% AND BUILD VOL. SLOW DOWN PUMP SPM TO 45 HEEL UP LOSS ZONE. STILL HAVE SOME SEEPAGE.
	9:30 - 17:30	8.00	DRLPRO	02	D	P		DRILLING F/6657-7161 WOB 18, RPM 45, MOTOR RPM 66, GPM 417, SPP ON/OFF 2000/1800, TQ ON/OFF 7/3, 504', ROP 63.0 DRILLING WITH 3-5% LCM, HAVE SEEPAGE WHILE DRILLING.
	17:30 - 18:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILLING F/7161-7502 WOB 18, RPM 45, MOTOR RPM 64, SPM 90, GPM 404, SPP ON/OFF 2350/2150, TQ ON/OFF 9/5, 341', ROP 56.8 DRILLING WITH 3-5% LCM, HAVE SEEPAGE WHILE DRILLING.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: PROPETRO/, H&P 298/298	
Event: DRILLING		Start Date: 11/6/2008		End Date: 12/15/2008	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/8/2008	0:00 - 18:00	18.00	DRLPRO	02	D	P		DRILLING F/7502-8280 WOB 18, RPM 45, MOTOR RPM 64, SPM 90, GPM 404, SPP ON/OFF 2350/2150, TQ ON/OFF 10/5, 778', ROP 43.2 DRILLING WITH 3-5% LCM, HAVE SEEPAGE WHILE DRILLING.
	18:00 - 18:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	18:30 - 0:00	5.50	DRLPRO	02	D	P		DRILLING F/78280-8526 WOB 18, RPM 45, MOTOR RPM 64, SPM 90, GPM 404, SPP ON/OFF 2350/2150, TQ ON/OFF 10/5, 246', ROP 44.7 DRILLING WITH 2% LCM, HAVE SEEPAGE WHILE DRILLING.
12/9/2008	0:00 - 16:00	16.00	DRLPRO	02	D	P		SPR @8389 MP #1 20=400, 40=700, 60=1000 PSI DRILLING F/8526-9130 WOB 20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2550/2350, TQ ON/OFF 11/6, 604', ROP 37.7
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SPR @8389 MP #1 20=400, 40=700, 60=1000 PSI WELL SEEPING LOST 50 BBLs.
	16:30 - 0:00	7.50	DRLPRO	22	G	P		RIG SERVICE. LOST PARTIAL RETURNS, PICK UP BUILD MUD, LCM SYSTEM UP TO 10-15% LOST 348 BBLs OF MUD WHILE CIRC AND BUILDING VOL.
12/10/2008	0:00 - 10:30	10.50	DRLPRO	06	A	P		TRIPPING OUT HAD TIGHT SPOTS AT 7766 40K OVER, 6555 80K OVER. PULL MWD TOOL AND REPLACE, L/D BIT #2 AND MUD MOTOR. PICK MOTOR AND BIT #3 TIH 5 STDS TEST MWD AND MOTOR. TIH TO SHOE.
	10:30 - 12:00	1.50	DRLPRO	09	A	P		SLIP AND CUT DRILLING LINE.
	12:00 - 12:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	12:30 - 14:30	2.00	DRLPRO	08	B	X		WORK ON TOP DRIVE, WIRE UP BLOWER FOR TRACTION MOTOR.
	14:30 - 18:00	3.50	DRLPRO	06	A	P		TRIP IN HOLE WORK THRU TIGHT SPOTS AT 6592, 7540 INSTALL ROTATING HEAD AND TRIP IN TO 9050'
	18:00 - 18:30	0.50	DRLPRO	03	D	P		WASH AND REAM F/9050-9130 5' OF FILL.
	18:30 - 0:00	5.50	DRLPRO	02	D	P		DRILLING F/9130-9250 WOB 18-20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2550/2350, TQ ON/OFF 11/6, 120' 21.8, ROP
12/11/2008	0:00 - 9:00	9.00	DRLPRO	02	D	P		DRILLING F/9250-9321 WOB 18-20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2600/2400, TQ ON/OFF 11/6, 71', ROP 7.8
	9:00 - 9:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	9:30 - 10:00	0.50	DRLPRO	08	B	X		WORK ON PUMPS, CHANGE OUT 8 VALVES AND 2 SEAT TOTAL FROM BOTH PUMPS.
	10:00 - 14:00	4.00	DRLPRO	02	D	P		DRILLING F/9321-9343 WOB 18-20, RPM 45-55, MOTOR RPM 67, SPM 94, GPM 423, SPP ON/OFF 2600/2400, TQ ON/OFF 11/6, FTG 22', ROP 5.5
	14:00 - 15:00	1.00	DRLPRO	05	C	P		MIX AND PUMP SLUG FOR TRIP.
	15:00 - 20:30	5.50	DRLPRO	06	A	P		TRIP OUT OF HOLE TO CHANGE, L/D MUD MOTOR AND BIT. BIT 1.5" OUT OF GAUGE.
12/12/2008	20:30 - 0:00	3.50	DRLPRO	06	A	P		PICK UP BIT #4 AND MUD MOTOR AND TRIP IN.
	0:00 - 1:30	1.50	DRLPRO	06	A	P		TRIP IN HOLE TO 9130'
	1:30 - 2:00	0.50	DRLPRO	03	D	P		WASH AND REAM F/9130-9343
	2:00 - 0:00	22.00	DRLPRO	02	D	P		DRILL F/9343-9784 WOB 8-18, GPM 450, SPM 100, RPM 40, MOTOR RPM 72, PSI ON/OFF 2900/2660, TQ ON/OFF 9/4, MUD WT 11.5, VIS 54, PU 230, SO 175, ROT 198, FTG 441 ROP 20.0

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: PROPETRO/, H&P 298/298	
Event: DRILLING		Start Date: 11/6/2008		End Date: 12/15/2008	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/13/2008	0:00 - 1:00	1.00	DRLPRO	02	D	P		DRILL F/9784-9807 WOB 8-18, GPM 450, SPM 100, RPM 40, MOTOR RPM 72, PSI ON/OFF 2900/2660, TQ ON/OFF 9/4, MUD WT 11.5, VIS 54, PU 230, SO 175, ROT 198, FTG 23 ROP 23.0 LOSING CIRC WHILE DRILLING.
	1:00 - 6:00	5.00	DRLPRO	22	G	X		LOST TOTAL CIRC, REGAIN CIRC SLOWING PUMPS DOWN TO 200 GPM, MIX LCM AND BUILD VOL. LOST OVER 450 BBLs.
	6:00 - 7:30	1.50	DRLPRO	02	D	P		DRILL F/9807-9857 WOB 8-18, GPM 405, SPM 90, RPM 40, MOTOR RPM 65, PSI ON/OFF 2660/2300, TQ ON/OFF 10/6, MUD WT 11.5, VIS 54, PU 230, SO 175, ROT 198, FTG 50 ROP 33.3
	7:30 - 9:30	2.00	DRLPRO	05	C	P		CIRC AND PUMP HIGH VIS SWEEP.
	9:30 - 13:00	3.50	DRLPRO	06	E	P		WIPER TRIP TO 5000' TIGHT AT 9432,9338
	13:00 - 13:30	0.50	DRLPRO	03	E	P		WASH AND REAM F/9811-9857 15' OF FILL.
	13:30 - 15:30	2.00	DRLPRO	05	C	P		CIRC GAS 4716 UNITS 10' FLARE, FILL TRIP TANKS AND BUILD SLUG.
	15:30 - 21:00	5.50	DRLPRO	06	B	P		TRIP OUT TO LOG. L/D DIRECTIONAL TOOLS.
	21:00 - 0:00	3.00	DRLPRO	11	G	P		HELD SAFETY MEETING, RIG UP HALLIBURTON AND RUN IN TO LOG.
12/14/2008	0:00 - 2:30	2.50	DRLPRO	11	G	P		RUN TRIPLE COMBO WITH HALLIBURTON. TAGGED BRIDGE AT 6675' RIG DOWN LOGGERS.
	2:30 - 8:30	6.00	DRLPRO	06	A	P		PICK UP TRICONE BIT ER2005VPS, 3-20's AND TRIP IN FOR WIPER TRIP. WASH TIGHT SPOT AT 6850-6900' TRIP TO 9808' FILL PIPE AND INSTALL ROTATING RUBBER.
	8:30 - 9:00	0.50	DRLPRO	03	D	P		WASH AND REAM F/9808-9857 3' OF FILL
	9:00 - 11:00	2.00	DRLPRO	05	A	P		CIRC AND COND HOLE AND MUD, CIRC GAS OUT HAD 10' FLARE FOR TRIP GAS. FILL TRIP TANKS.
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE, PUMP SLUG.
	11:30 - 15:30	4.00	DRLPRO	06	B	P		TRIP OUT OF HOLE. NO TIGHT SPOTS. L/D BIT AND BIT SUB.
	15:30 - 20:00	4.50	DRLPRO	11	G	P		HELD SAFETY MTG WITH HALLIBURTON LOGGING. RIG UP LOGGERS AND LOG TRIPLE COMBO. LOGGERS DEPTH 9857'
	20:00 - 21:00	1.00	DRLPRO	14	B	P		PULL WEAR BUSHING AND CLEAN UP RIG FLOOR TO RUN CASING.
	21:00 - 0:00	3.00	DRLPRO	12	C	P		HELD SAFETY MTG. RIG UP AND RUN 4 1/2 CASING 11.6#, I-80, LTC
12/15/2008	0:00 - 7:00	7.00	PROD	12	C	P		FINISH RUNNING 4 1/2 CASING. RUN TO 9842', 233 JTS OF I-80 NO TIGHT SPOTS.
	7:00 - 9:30	2.50	PROD	05	D	P		CIRC GAS OUT 5' FLARE, RIG DOWN CASING EQUIPMENT, UNTHAW LINES ON FRAC TANK. RIG UP HOT OIL TRUCK TO HEAT UP FRAC TANK.
	9:30 - 14:30	5.00	PROD	12	E	P		HELD SAFETY MTG WITH BJ, RIG UP CMT EQUIPMENT AND CMT WITH PREMIUM LITE 11 CMT FOR LEAD OF 416 SKS OF 11#, 3.38 YIELD, 20.52 GAL/SK, 249.45 BBL SLURRY. 50/50 POZ CLASS G CMT FOR TAIL 1270 SKS, 14.3#, 1.31 YIELD, 5.90 GAL/SK. 296.21 BBL SLURRY. LOST RETURNS 26 BBLs LEFT OF DISPL. HAD GOOD LIFT PRESSURE OF 2498 PSI. BUMPED PLUG AT 3303 PSI. FLOATS HELD.
	14:30 - 21:00	6.50	PROD	14	A	P		L/D LANDING JT. NIPPLE DOWN BOPE
	21:00 - 0:00	3.00	MIRU	01	C	P		RELEASED RIG AT 21:00 HRS. ON 12/15/2008 PREPARE TO SKID RIG TO NBU 922-18L2BS

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)				Spud Conductor: 11/4/2008				Spud Date: 11/6/2008			
Project: UTAH-UINTAH				Site: NBU 922-18L PAD				Rig Name No: MILES 2/2			
Event: COMPLETION				Start Date: 10/20/2009				End Date: 11/12/2009			
Active Datum: RKB @4,925.00ft (above Mean Sea Level)				UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0							
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation			
10/24/2009	7:00 - 10:00	3.00	COMP	47	C	P		X-OUT FMC TBG HEAD. ((DUE T/ TBG HEAD PARTING ON 18K2 WELL.))			
10/26/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. SIM OPS.			
	7:30 - 17:00	9.50	COMP	37	B	P		PSI TEST CSG & BOTH FRAC VALVES T/ 7000# W/ B&C QUICK TEST. GOOD TEST. BLEED OFF PSI. RDMO B&C QUICK TEST. STG 1) PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF F/ 9660'-66', 4 SPF, 24 HOLES. 9492'-96', 4 SPF, 16 HOLES. POOH. SWI. WINTERIZE WELL HEAD.			
10/27/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. SIME OPS.			

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: MILES 2/2	
Event: COMPLETION		Start Date: 10/20/2009		End Date: 11/12/2009	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 20:00	12.50	COMP	36	B	P		<p>OPEN WELL 1122#.</p> <p>STG 1) BEG PUMPING, BRK @ 3706# @ 6.3 BPM. SD ISIP 2712#, FG .71. BEG FRAC, BULL HEAD 250 GAL 15% ACID IN PAD. PERF'S OPEN = 100%. PUMP 39,235# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3052#, FG .75. SWI, X-OVER T/ YELLOW WELL.</p> <p>STG 2) PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 9488' P/U PERF F/ 9454'-58', 3 SPF, 12 HOLES. 9422'-24', 3 SPF, 6 HOLES. 9342'-46', 4 SPF, 16 HOLES. 9204'-06', 3 SPF, 6 HOLES. POOH.</p> <p>OPEN WELL 2620#. BEG PUMPING, BRK @ 2956# @ 6.4 BPM. SD ISIP 2593#, FG .71. BEG FRAC, EST INJT RT @ 51.4 BPM @ 5464# = 87% PERFS OPEN. PUMP 4,632# OF WHITE THEN LOST 1 SIDE OF BLENDER. SD FOR 4 MIN & MADE REPAIRS. BEG FRACING AGAIN. START OFF WERE WE LEFT OFF. PUMP 102,297# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2708# FG .72. SWI. X-OVER T/ YELLOW WELL.</p> <p>STG 3) PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 9,080' P/U PERF F/ 9046'-50', 3 SPF, 12 HOLES. 8962'-65', 3 SPF, 9 HOLES. 8918'-22', 3 SPF, 12 HOLES. 8828'-30', 3 SPF, 6 HOLES. POOH.</p> <p>OPEN WELL 1820#.</p> <p>BEG PUMPING, BRK @ 2722# @ 6.4 BPM. SD ISIP 2040# FG .66. BEG FRAC, EST INJT RT @ 51.4 BPM @ 4400# = 100% PERF'S OPEN. PUMP 84,800# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2498# FG .71. SWI. X-OVER T/ YELLOW WELL.</p> <p>STG 4) PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8,816' P/U PERF F/ 8784'-86', 4 SPF, 8 HOLES. 8748'-50', 4 SPF, 8 HOLES. 8660'-64', 3 SPF, 12 HOLES. 8624'-26', 3 SPF, 6 HOLES. 8610'-12', 3 SPF, 6 HOLES. POOH.</p> <p>WHP 1,927 PSI, BRK 2,399 PSI @ 5.3 BPM. ISIP 2,213 PSI, FG .68.</p> <p>PUMP 100 BBLS @ 51.5 BPM @ 4,550 PSI = 100% HOLES OPEN.</p> <p>MP 5,351 PSI, MR 51.8 BPM, AP 4,239 PSI, AR 49.5 BPM, ISIP 2,659 PSI, FG .73, NPI 446 PSI.</p> <p>PMP 1,999 BBLS SW & 73,459 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 78,459 LBS,</p>

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD		Rig Name No: MILES 2/2	
Event: COMPLETION		Start Date: 10/20/2009		End Date: 11/12/2009	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)		UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/28/2009	6:30 - 7:00	0.50	COMP	48		P		STG 5) PU 4 1/2" HAL CBP & 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET CBP @ 8,508' & PERF 8,473' - 78' 3SPF, 8,404' - 06' 3SPF, 8,360' - 62' 3SPF, 8,258' - 62' 3SPF. 39 HOLES. SWI SDFN.
	7:00 - 7:00	0.00	COMP	36	B	P		HSM. FRACING & PERFORATING STG 5) WHP 920 PSI, BRK 2937 PSI @ 6.4 BPM. ISIP 2014 PSI, FG .67. PMP 100 BBLS @ 51.5 BPM @ 5,000 PSI = 76% HOLES OPEN. MP 5818 PSI, MR 51.7 BPM, AP 4596 PSI, AR 47.6 BPM, ISIP 2793 PSI, FG .76, NPI 779 PSI. PMP 1187 BBLS SW & 42,440 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN. TOTAL PROP 47,440 LBS, SWI, X-OVER T/ YELLOW/
11/5/2009	7:00 - 7:30	0.50	COMP	48		P		STG 6)PU 4 1/2 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8134' P/U PERF F/ 8100'-04', 4 SPF, 16 HOLES. 7978'-80', 3 SPF, 6 HOLES. 7954'-56', 3 SPF, 6 HOLES. 7918'-20', 3 SPF, 6 HOLES. 7850'-52', 3 SPF, 6 HOLES. POOH.
	7:30 - 17:00	9.50	COMP	44		P		WHP 1156 PSI, BRK 2935 PSI @ 6.4 BPM. ISIP 1916 PSI, FG .67. PMP 100 BBLS @ 51.5 BPM @ 4500 PSI = 100% HOLES OPEN. MP 4987 PSI, MR 51.7 BPM, AP 4149 PSI, AR 48.8 BPM, ISIP 2525 PSI, FG .75, NPI 609 PSI. PMP 1253 BBLS SW & 46,859 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN. TOTAL PROP 51,859 LBS SWI, X-OVER T/ RED WELL. PU 4 1/2 8K BAKER CBP. RIH SET CBP @ 7770'. POOH, SWI. FINISHED THIS WELL. RDMO MIRU, ND FRAC VALVE, NU BOP'S, PICK UP TBG, RIH TO 7800' TAG PLUG. PLUG #1 7800' 0 SAND 8 MIN 100# KICK PLUG #2 8134' 25' SAND 7 MIN 100# KICK TURNED WELL TO FLOW BACK FOR NIGHT DRILL PLUGS
11/6/2009	7:00 - 7:30	0.50	COMP	48		P		DRILL PLUGS
	7:30 - 12:00	4.50	COMP	44		P		PLUG #3 8508' 0 SAND 6 MIN 100# KICK PLUG #4 8816' 30' SAND 5 MIN 500# KICK PLUG #5 9080' 20' SAND 5 MIN 300# KICK PLUG #6 9488' 20' SAND 5 MIN 400# KICK RIH WITH 309 JTS TO 9797' CLEAN OUT 120' FILL, CIRC BTMS UP, LAY DWN 20 JTS TO 9178' LAND TBG. ND BOP'S, NU WH, PUMP OFF BIT SUB, 289 JTS TBG, XN SN 1.875, @ 9178.09' RDMO TO NBU 922-36G PAD.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18K2DS (GREEN WELL)		Spud Conductor: 11/4/2008		Spud Date: 11/6/2008	
Project: UTAH-UINTAH		Site: NBU 922-18L PAD			Rig Name No: MILES 2/2
Event: COMPLETION		Start Date: 10/20/2009		End Date: 11/12/2009	
Active Datum: RKB @4,925.00ft (above Mean Sea Level)			UWI: NE/SW/0/9/S/22/E/18/0/0/6/PM/S/2,535.00/W/0/1,240.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/7/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 1700#, 20/64" CK, 48 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 3284 BBLS LEFT TO RECOVER: 7489
	10:00 -		PROD	50				WELL TURNED TO SALE @ 1000 HR ON 11/7/09 - FTP 1450#, CP 3100#, 1.5 MCFD, 45 BWPD, 20/64 CK
11/8/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2775#, TP 1675#, 20/64" CK, 36 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 4283 BBLS LEFT TO RECOVER: 6490
11/9/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1525#, 20/64" CK, 28 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5047 BBLS LEFT TO RECOVER: 5726
	7:30 -		PROD	50				WELL IP'D 11/9/09 - 1671 MCFD, 288 BWPD, CP 2300#, FTP 1250#, CK 20/64", LP 121#, 24 HRS
11/10/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2300#, TP 1400#, 20/64" CK, 23 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5662 BBLS LEFT TO RECOVER: 5111
11/11/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2150#, TP 1275#, 20/64" CK, 18 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 6155 BBLS LEFT TO RECOVER: 4618
11/12/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2000, TP 1175#, 20/64" CK, 14 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 6531 BBLS LEFT TO RECOVER: 4242
	7:00 -			33	A			7 AM FLBK REPORT: CP 2300#, TP 1250#, 20/64" CK, 12 BWPH, TRACE SAND, 1207 GAS TTL BBLS RECOVERED: 6595 BBLS LEFT TO RECOVER: 4178



ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)

NBU 922-18 PAD EFKL

NBU 922-18K2DS

1

Survey: Final

Standard Survey Report

16 December, 2008

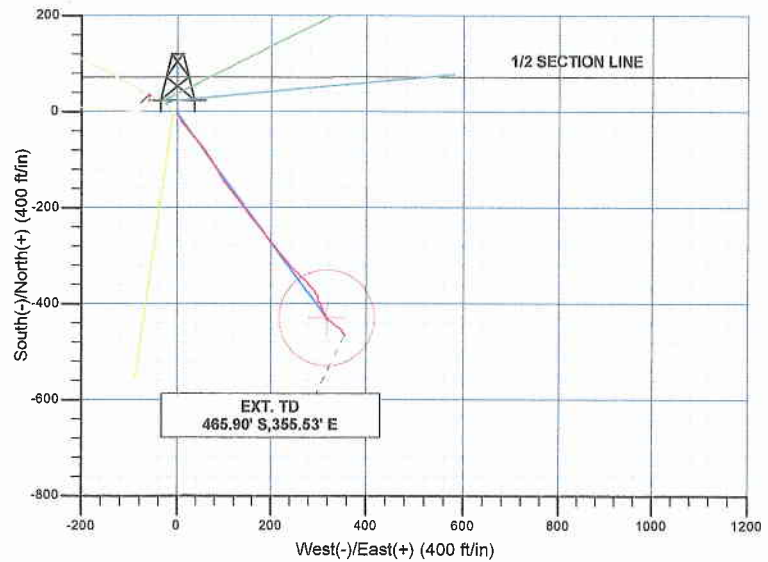
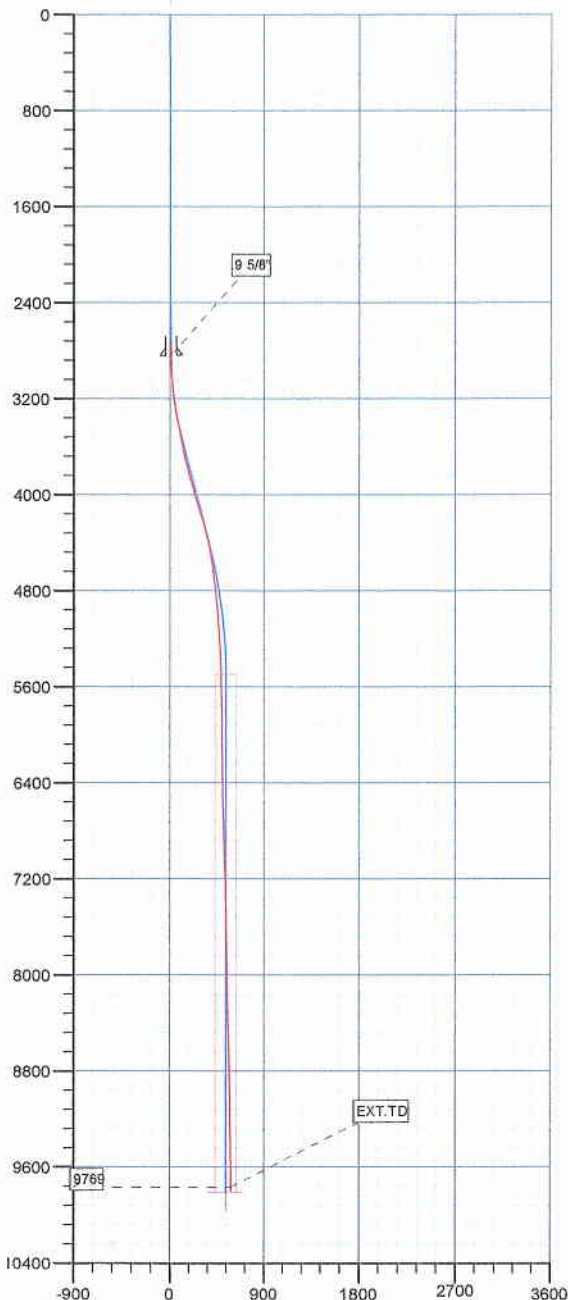




WELL DETAILS: NBU 922-18K2DS						
+N/-S	+E/-W	Northing	Ground Level: Easting	4899.00 Latitude	Longitude	Slot
0.00	0.00	14542660.22	2064319.77	40° 2' 8.640 N	109° 29' 8.220 W	

Survey: Survey #2 (NBU 922-18K2DS/1)									
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
9857.00	0.88	132.31	9799.42	-465.90	355.53	0.00	0.00	585.18	

KB ELEV: KB ELEVATION @ 4925.50ft (KB ELEV)
GRD ELEV: 4899.00



Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18 PAD EFKL
Well: NBU 922-18K2DS
Wellbore: 1
Design: 1

Local Co-ordinate Reference: Well NBU 922-18K2DS
TVD Reference: KB ELEVATION @ 4925.50ft (KB ELEV)
MD Reference: KB ELEVATION @ 4925.50ft (KB ELEV)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	UINTAH COUNTY, UTAH (nad 27),		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-18 PAD EFKL, SEC 18 T9S R22E				
Site Position:		Northing:	14,542,660.22 ft	Latitude:	40° 2' 8.640 N
From:	Lat/Long	Easting:	2,064,319.77 ft	Longitude:	109° 29' 8.220 W
Position Uncertainty:	0.00 ft	Slot Radius:	0.00 in	Grid Convergence:	0.97 °

Well	NBU 922-18K2DS,					
Well Position	+N/-S	0.00 ft	Northing:	14,542,660.22 ft	Latitude:	40° 2' 8.640 N
	+E/-W	0.00 ft	Easting:	2,064,319.77 ft	Longitude:	109° 29' 8.220 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,899.00 ft	

Wellbore	1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	11/24/2008	11.43	65.96	52,633

Design	1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	145.79	

Survey Program	Date 12/16/2008				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	2,745.00	Survey #1 (1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
2,888.00	9,857.00	Survey #2 (1)	MWD	MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,745.00	1.00	152.37	2,744.91	-9.56	4.23	10.28	0.00	0.00	0.00
2,888.00	1.79	175.30	2,887.87	-12.89	4.99	13.47	0.67	0.55	16.03
2,951.00	2.19	161.02	2,950.83	-15.01	5.46	15.48	1.01	0.63	-22.67
3,046.00	5.38	145.56	3,045.61	-20.40	8.57	21.69	3.50	3.36	-16.27
3,141.00	7.25	141.06	3,140.03	-28.74	14.86	32.12	2.03	1.97	-4.74
3,234.00	9.50	141.68	3,232.03	-39.32	23.31	45.62	2.42	2.42	0.67
3,329.00	10.63	138.93	3,325.57	-52.08	33.93	62.14	1.29	1.19	-2.89
3,423.00	11.44	136.43	3,417.83	-65.37	46.05	79.95	1.00	0.86	-2.66
3,517.00	12.13	143.06	3,509.85	-80.02	58.41	99.01	1.62	0.73	7.05
3,612.00	13.63	149.31	3,602.47	-97.63	70.12	120.16	2.15	1.58	6.58
3,706.00	15.25	149.93	3,693.49	-117.85	81.97	143.55	1.73	1.72	0.66
3,799.00	16.31	147.32	3,782.99	-139.43	95.15	168.80	1.37	1.14	-2.81

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18 PAD EFKL
Well: NBU 922-18K2DS
Wellbore: 1
Design: 1

Local Co-ordinate Reference: Well NBU 922-18K2DS
TVD Reference: KB ELEVATION @ 4925.50ft (KB ELEV)
MD Reference: KB ELEVATION @ 4925.50ft (KB ELEV)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,894.00	17.69	140.81	3,873.84	-161.84	111.48	196.52	2.47	1.45	-6.85
3,989.00	19.25	140.81	3,963.95	-185.17	130.49	226.50	1.64	1.64	0.00
4,083.00	19.13	143.06	4,052.73	-209.49	149.54	257.32	0.80	-0.13	2.39
4,178.00	18.94	139.81	4,142.53	-233.71	168.85	288.21	1.13	-0.20	-3.42
4,272.00	18.81	140.81	4,231.48	-257.11	188.27	318.47	0.37	-0.14	1.06
4,367.00	16.31	141.18	4,322.05	-279.38	206.31	347.03	2.63	-2.63	0.39
4,462.00	13.44	140.06	4,413.85	-298.24	221.76	371.32	3.04	-3.02	-1.18
4,557.00	10.94	139.81	4,506.70	-313.59	234.67	391.27	2.63	-2.63	-0.26
4,652.00	9.44	135.93	4,600.20	-326.08	245.91	407.92	1.74	-1.58	-4.08
4,746.00	8.19	133.68	4,693.09	-336.24	256.11	422.06	1.38	-1.33	-2.39
4,841.00	7.38	133.68	4,787.21	-345.13	265.42	434.64	0.85	-0.85	0.00
4,936.00	6.38	135.68	4,881.53	-353.12	273.52	445.80	1.08	-1.05	2.11
5,031.00	5.31	138.06	4,976.03	-360.16	280.14	455.35	1.15	-1.13	2.51
5,124.00	4.63	140.68	5,068.68	-366.27	285.40	463.36	0.77	-0.73	2.82
5,219.00	4.31	147.56	5,163.40	-372.25	289.74	470.74	0.66	-0.34	7.24
5,313.00	4.00	147.93	5,257.15	-378.01	293.38	477.55	0.33	-0.33	0.39
5,407.00	3.94	149.31	5,350.92	-383.56	296.77	484.05	0.12	-0.06	1.47
5,502.00	1.88	179.06	5,445.80	-387.93	298.46	488.61	2.62	-2.17	31.32
5,596.00	1.63	185.43	5,539.76	-390.80	298.36	490.93	0.34	-0.27	6.78
5,691.00	1.75	174.31	5,634.71	-393.59	298.37	493.25	0.37	0.13	-11.71
5,785.00	2.06	177.43	5,728.66	-396.71	298.59	495.95	0.35	0.33	3.32
5,880.00	0.69	76.06	5,823.64	-398.27	299.22	497.60	2.42	-1.44	-106.71
5,973.00	0.88	75.93	5,916.63	-397.97	300.46	498.04	0.20	0.20	-0.14
6,067.00	0.69	105.31	6,010.62	-397.94	301.71	498.72	0.47	-0.20	31.26
6,162.00	0.50	127.68	6,105.62	-398.34	302.59	499.55	0.31	-0.20	23.55
6,255.00	0.81	152.31	6,198.61	-399.17	303.21	500.58	0.44	0.33	26.48
6,350.00	1.00	154.68	6,293.60	-400.52	303.88	502.07	0.20	0.20	2.49
6,444.00	1.00	163.43	6,387.59	-402.05	304.46	503.66	0.16	0.00	9.31
6,538.00	1.50	167.93	6,481.56	-404.04	304.95	505.58	0.54	0.53	4.79
6,633.00	1.56	161.43	6,576.53	-406.48	305.63	507.98	0.19	0.06	-6.84
6,728.00	1.75	158.56	6,671.49	-409.05	306.57	510.64	0.22	0.20	-3.02
6,823.00	1.63	155.68	6,766.45	-411.63	307.66	513.39	0.15	-0.13	-3.03
6,917.00	1.75	151.06	6,860.41	-414.11	308.90	516.13	0.19	0.13	-4.91
7,012.00	2.06	152.06	6,955.36	-416.89	310.40	519.27	0.33	0.33	1.05
7,107.00	2.13	162.81	7,050.29	-420.08	311.72	522.66	0.42	0.07	11.32
7,297.00	2.00	158.16	7,240.17	-426.53	314.00	529.27	0.11	-0.07	-2.45
7,391.00	2.19	159.18	7,334.11	-429.73	315.25	532.62	0.21	0.20	1.09
7,486.00	2.00	136.18	7,429.04	-432.63	317.04	536.02	0.90	-0.20	-24.21
7,580.00	0.81	94.68	7,523.02	-433.86	318.84	538.06	1.59	-1.27	-44.15
7,674.00	0.88	110.93	7,617.01	-434.18	320.18	539.07	0.26	0.07	17.29
7,769.00	0.94	120.81	7,711.99	-434.84	321.53	540.37	0.18	0.06	10.40
7,863.00	1.13	115.56	7,805.98	-435.63	323.03	541.87	0.23	0.20	-5.59
7,958.00	1.31	119.56	7,900.96	-436.57	324.82	543.66	0.21	0.19	4.21
8,053.00	1.13	135.56	7,995.94	-437.77	326.42	545.55	0.40	-0.19	16.84
8,147.00	1.44	136.81	8,089.91	-439.30	327.87	547.63	0.33	0.33	1.33
8,241.00	1.63	133.93	8,183.88	-441.09	329.64	550.11	0.22	0.20	-3.06
8,335.00	1.75	127.81	8,277.84	-442.89	331.74	552.78	0.23	0.13	-6.51
8,430.00	1.75	128.43	8,372.79	-444.68	334.02	555.54	0.02	0.00	0.65
8,524.00	2.00	131.81	8,466.74	-446.67	336.37	558.51	0.29	0.27	3.60
8,619.00	1.88	121.93	8,561.69	-448.60	338.93	561.54	0.37	-0.13	-10.40
8,714.00	1.19	117.06	8,656.65	-449.87	341.13	563.83	0.74	-0.73	-5.13
8,808.00	1.44	124.93	8,750.63	-450.99	342.97	565.79	0.33	0.27	8.37
8,902.00	1.31	123.31	8,844.60	-452.26	344.83	567.89	0.14	-0.14	-1.72
8,995.00	1.50	135.93	8,937.58	-453.72	346.57	570.07	0.39	0.20	13.57

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18 PAD EFKL
Well: NBU 922-18K2DS
Wellbore: 1
Design: 1

Local Co-ordinate Reference: Well NBU 922-18K2DS
TVD Reference: KB ELEVATION @ 4925.50ft (KB ELEV)
MD Reference: KB ELEVATION @ 4925.50ft (KB ELEV)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,091.00	1.56	124.43	9,033.54	-455.36	348.52	572.52	0.33	0.06	-11.98
9,182.00	1.19	192.06	9,124.52	-456.98	349.35	574.33	1.72	-0.41	74.32
9,277.00	1.25	175.31	9,219.50	-458.98	349.22	575.91	0.38	0.06	-17.63
9,374.00	0.75	138.43	9,316.48	-460.51	349.73	577.46	0.82	-0.52	-38.02
9,469.00	0.94	145.31	9,411.47	-461.62	350.59	578.86	0.23	0.20	7.24
9,564.00	0.88	124.81	9,506.46	-462.67	351.63	580.32	0.35	-0.06	-21.58
9,658.00	1.13	130.06	9,600.45	-463.68	352.93	581.89	0.28	0.27	5.59
9,753.00	1.00	129.06	9,695.43	-464.81	354.29	583.58	0.14	-0.14	-1.05
9,800.00	0.88	132.31	9,742.43	-465.31	354.88	584.32	0.28	-0.26	6.91
9,827.00	0.88	132.31	9,769.42	-465.59	355.18	584.73	0.00	0.00	0.00
EXT.TD									
9,857.00	0.88	132.31	9,799.42	-465.90	355.53	585.18	0.00	0.00	0.00
PBHL-K2DS									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
9,827.00	9,769.42	-465.59	355.18	EXT.TD

Checked By: _____ Approved By: _____ Date: _____



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